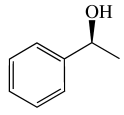
Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



$C_8H_{10}O$

(*S*)-(−)-1-Phenylethanol

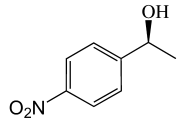
Ee = 99%

$[\alpha]_D = -59.2$ (*c* 0.658, $CHCl_3$)

Absolute configuration: (*S*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



$C_8H_9NO_3$

(*S*)-(−)-1-(4-Nitrophenyl)ethanol

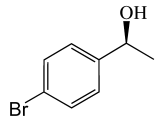
Ee = >99%

$[\alpha]_D = -30.5$ (*c* 1.083, EtOH)

Absolute configuration: (*S*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



C_8H_9BrO

(*S*)-(−)-1-(4-Bromophenyl)ethanol

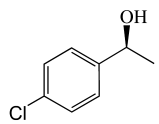
Ee = >99%

$[\alpha]_D = -36.0$ (*c* 0.775, $CHCl_3$)

Absolute configuration: (*S*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



C_8H_9ClO

(*S*)-(−)-1-(4-Chlorophenyl)ethanol

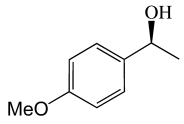
Ee = >99%

$[\alpha]_D = -47.8$ (*c* 0.758, Et_2O)

Absolute configuration: (*S*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



$C_9H_{12}O_2$

(*S*)-(−)-1-(4-Methoxyphenyl)ethanol

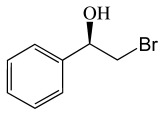
Ee = >99%

$[\alpha]_D = -56.4$ (*c* 0.442, $CHCl_3$)

Absolute configuration: (*S*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



C_8H_9BrO

(*R*)-(−)-2-Bromo-1-phenylethanol

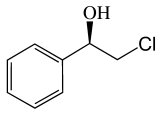
Ee = >99%

$[\alpha]_D = -39.5$ (*c* 0.592, $CHCl_3$)

Absolute configuration: (*R*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



C_8H_9ClO

(*R*)-(−)-2-Chloro-1-phenylethanol

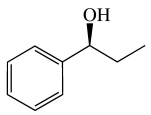
Ee = >99%

$[\alpha]_D = -50.7$ (*c* 0.225, cyclohexane)

Absolute configuration: (*R*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



$C_9H_{12}O$

(*S*)-(−)-1-Phenyl-1-propanol

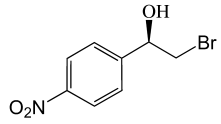
Ee = >99%

$[\alpha]_D = -50.8$ (*c* 1.03, $CHCl_3$)

Absolute configuration: (*S*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



$C_8H_8BrNO_3$

(*R*)-(−)-2-Bromo-1-(4-nitrophenyl)ethanol

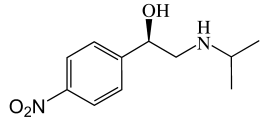
Ee = 97%

$[\alpha]_D = -35.4$ (*c* 0.942, $CHCl_3$)

Absolute configuration: (*R*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



$C_{11}H_{16}N_2O_3$

(*R*)-(−)-2-Isopropylamino-1-(4-nitrophenyl)ethanol

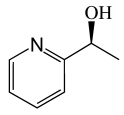
Ee = 97%

$[\alpha]_D = -41.5$ (*c* 0.286, H_2O)

Absolute configuration: (*R*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



C_7H_9NO

(*S*)-(−)-2-Pyridyl-1-ethanol

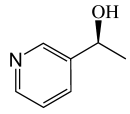
Ee = >99%

$[\alpha]_D = -25.0$ (*c* 1.39, $CHCl_3$)

Absolute configuration: (*S*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



C_7H_9NO

(*S*)-(−)-3-Pyridyl-1-ethanol

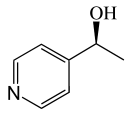
Ee = 99%

$[\alpha]_D = -47.0$ (*c* 0.625, MeOH)

Absolute configuration: (*S*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



C_7H_9NO

(*S*)-(−)-4-Pyridyl-1-ethanol

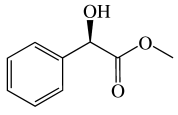
Ee = 97%

$[\alpha]_D = -44.0$ (*c* 1.03, MeOH)

Absolute configuration: (*S*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



$C_9H_{10}O_3$

(*R*)-(−)-Methyl mandelate

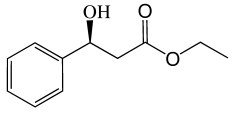
Ee = 86%

$[\alpha]_D = -124.8$ (*c* 0.8, MeOH)

Absolute configuration: (*R*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



$C_{11}H_{14}O_3$

(*S*)-(−)-3-Hydroxy-3-phenylpropionic acid ethylester

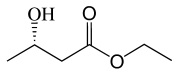
Ee = >99%

$[\alpha]_D = -52.7$ (*c* 1.0, $CHCl_3$)

Absolute configuration: (*S*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*



$C_6H_{12}O_3$

(*S*)-(+)-Ethyl 3-hydroxybutyrate

Ee = 74%

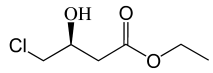
$[\alpha]_D = +22.2$ (*c* 0.442, $CHCl_3$)

Absolute configuration: (*S*)

Wei Yang, Jian-He Xu,* Yan Xie, Yi Xu, Gang Zhao and Guo-Qiang Lin

Tetrahedron: Asymmetry *17 (2006) 1769*

Ee = 64%
$[\alpha]_D = -11.4$ (*c* 1.59, $CHCl_3$)
Absolute configuration: (*S*)

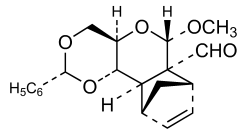


$C_6H_{11}ClO_3$
(*S*)-(−)-Ethyl 4-chloro-3-hydroxybutanoate

María I. Mangione, Sebastián A. Testero, Alejandra G. Suárez, Rolando A. Spanevello* and Jean-Pierre Tuchagues

Tetrahedron: Asymmetry *17 (2006) 1780*

$[\alpha]_D^{25} = +35.8$ (*c* 8.54, $CHCl_3$)
Source of chirality: methyl α-D-glucopyranoside
Absolute configuration: (1*S*,2*S*,3*S*,5*R*,8*R*,10*S*, 11*R*,12*R*)



$C_{20}H_{22}O_5$
(1*S*,2*S*,3*S*,5*R*,8*R*,10*S*,11*R*,12*R*)-3-Methoxy-8-phenyl-4,7,9-trioxatetracyclo-[10.2.1.$0^{2,11}$.$0^{5,10}$]pentadec-13-ene-2-carbaldehyde

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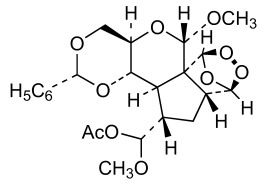
María I. Mangione, Sebastián A. Testero, Alejandra G. Suárez, Rolando A. Spanevello* and Jean-Pierre Tuchagues

Tetrahedron: Asymmetry *17 (2006) 1780*

$[\alpha]_D^{25} = +21.5$ (*c* 0.44, $CHCl_3$)
Source of chirality: methyl α-D-glucopyranoside
Absolute configuration: (1*S*,2*S*,3*S*,5*R*,8*R*,10*S*,11*R*, 12*S*,14*R*,15*S*,19undefined)



$C_{23}H_{28}O_{10}$
(1*S*,2*S*,3*S*,5*R*,8*R*,10*S*,11*R*,12*S*,14*R*,15*S*,19undefined) 12-(Acetoxymethoxy)methyl-3-methoxy-8-phenyl-4,7,9,16,17,18-hexoxapenta-cyclo[13.2.1.$0^{2,11}$.$0^{2,14}$.$0^{5,10}$]octadecane

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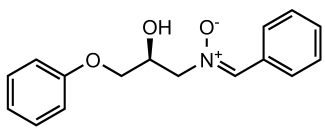
Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*

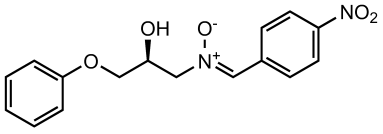
Ee = 69%
$[\alpha]_D^{22} = -53.3$ (*c* 1.05, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*S*)



$C_{16}H_{17}NO_3$
(*S*)-(−)-1-Benzylideneamino-3-phenoxy-propan-2-ol-*N*-oxide

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



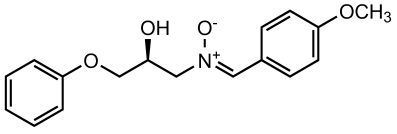
Ee = 95%
$[\alpha]_D^{22} = -92.7$ (*c* 0.75, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*S*)

$C_{16}H_{16}N_2O_5$

(*S*)-(−)-1-(4-Nitrobenzylideneamino)-3-phenoxy-propan-2-ol-*N*-oxide

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



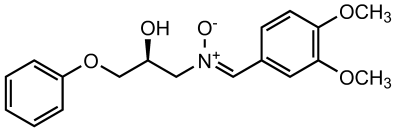
Ee = 30%
$[\alpha]_D^{22} = -22.6$ (*c* 0.97, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*S*)

$C_{17}H_{19}NO_4$

(*S*)-(−)-1-(4-Methoxybenzylideneamino)-3-phenoxy-propan-2-ol-*N*-oxide

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



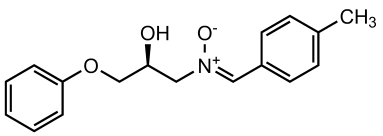
Ee = 80%
$[\alpha]_D^{22} = -56.0$ (*c* 1.035, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*S*)

$C_{18}H_{21}NO_5$

(*S*)-(−)-1-(3,4-Dimethoxybenzylideneamino)-3-phenoxy-propan-2-ol-*N*-oxide

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



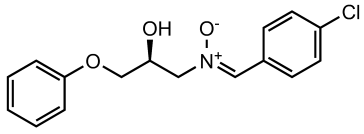
Ee = 65%
$[\alpha]_D^{22} = -38.6$ (*c* 0.72, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*S*)

$C_{17}H_{19}NO_3$

(*S*)-(−)-1-(4-Methylbenzylideneamino)-3-phenoxy-propan-2-ol-*N*-oxide

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



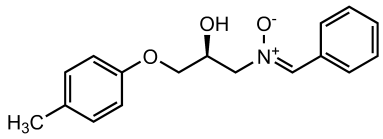
$C_{16}H_{16}ClNO_3$

(*S*)-(−)-1-(4-Chlorobenzylideneamino)-3-phenoxy-propan-2-ol-*N*-oxide

Ee = 74%
$[\alpha]_D^{22} = -50.0$ (*c* 0.96, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*S*)

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



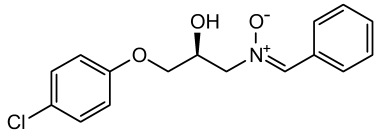
$C_{17}H_{19}NO_3$

(*S*)-(−)-1-Benzylideneamino-3-(4-methylphenoxy)propan-2-ol-*N*-oxide

Ee = 64%
$[\alpha]_D^{22} = -46.0$ (*c* 1.00, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*S*)

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



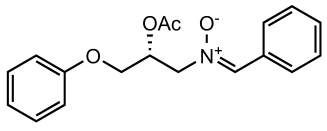
$C_{16}H_{16}ClNO_3$

(*S*)-(−)-1-Benzylideneamino-3-(4-chlorophenoxy)propan-2-ol-*N*-oxide

Ee = 60%
$[\alpha]_D^{22} = -46.2$ (*c* 0.72, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*S*)

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



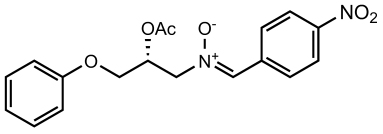
$C_{18}H_{19}NO_4$

(*R*)-(+)-1-Benzylideneamino-3-phenoxy-propan-2-ol-*N*-oxide acetate

Ee = 77%
$[\alpha]_D^{22} = +27.4$ (*c* 1.56, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*R*)

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



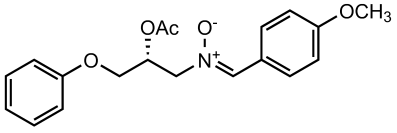
Ee = 73%
$[\alpha]_D^{22} = +30.8$ (*c* 0.85, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*R*)

$C_{18}H_{18}N_2O_6$

(*R*)-(+)-1-(4-Nitrobenzylideneamino)-3-phenoxy-propan-2-ol-*N*-oxide acetate

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



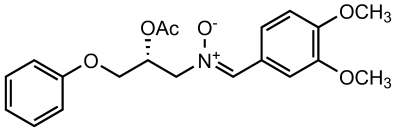
Ee = 93%
$[\alpha]_D^{22} = +16.7$ (*c* 1.20, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*R*)

$C_{19}H_{21}NO_5$

(*R*)-(+)-1-(4-Methoxybenzylideneamino)-3-phenoxy-propan-2-ol-*N*-oxide acetate

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



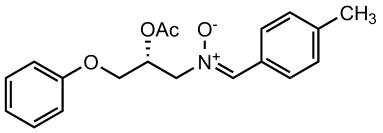
Ee = 88%
$[\alpha]_D^{22} = +22.1$ (*c* 0.73, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*R*)

$C_{20}H_{23}NO_6$

(*R*)-(+)-1-(3,4-Dimethoxybenzylideneamino)-3-phenoxy-propan-2-ol-*N*-oxide acetate

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



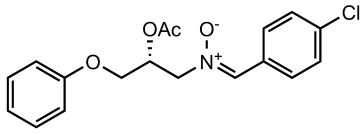
Ee = 80%
$[\alpha]_D^{22} = +31.6$ (*c* 1.90, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*R*)

$C_{19}H_{21}NO_4$

(*R*)-(+)-1-(4-Methylbenzylideneamino)-3-phenoxy-propan-2-ol-*N*-oxide acetate

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



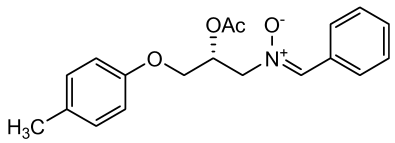
$C_{18}H_{18}ClNO_4$

(*R*)-(+)-1-(4-Chlorobenzylideneamino)-3-phenoxy-propan-2-ol-*N*-oxide acetate

Ee = 84%
$[\alpha]_D^{22} = +35.2$ (*c* 1.25, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*R*)

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



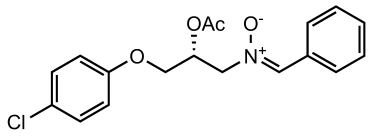
$C_{19}H_{21}NO_4$

(*R*)-(+)-1-Benzylideneamino-3-(4-methylphenoxy)-propan-2-ol-*N*-oxide acetate

Ee = 73%
$[\alpha]_D^{22} = +34.6$ (*c* 0.92, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*R*)

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*

Tetrahedron: Asymmetry *17 (2006) 1786*



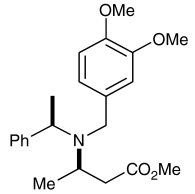
$C_{18}H_{18}ClNO_4$

(*R*)-(+)-1-Benzylideneamino-3-(4-chlorophenoxy)-propan-2-ol-*N*-oxide acetate

Ee = 84%
$[\alpha]_D^{22} = +28.2$ (*c* 1.17, $CHCl_3$)
Source of chirality: enzymatic reaction
Configuration: (*R*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin, Osamu Ichihara, Luke J. Kotchie, Paul D. Price, Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{22}H_{29}NO_4$

Methyl (3*R*,α*R*)-3-(*N*-3,4-dimethoxybenzyl-*N*-α-methylbenzylamino)butanoate

$[\alpha]_D^{20} = -5.2$ (*c* 1.1, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
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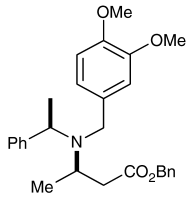
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



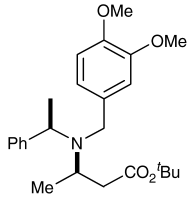
$[\alpha]_D^{20} = +13.3$ (*c* 1.3, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*)

$C_{28}H_{33}NO_4$

Benzyl (3*R*,α*R*)-3-(*N*-3,4-dimethoxybenzyl-*N*-α-methylbenzylamino)butanoate

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



$[\alpha]_D^{20} = +2.3$ (*c* 1.7, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*)

$C_{25}H_{35}NO_4$

tert-Butyl (3*R*,α*R*)-3-(*N*-3,4-dimethoxybenzyl-*N*-α-methylbenzylamino)butanoate

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
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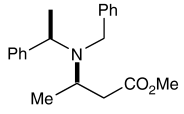
Tetrahedron: Asymmetry *17 (2006) 1793*



$[\alpha]_D^{20} = -3.4$ (*c* 1.2, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*)

$C_{20}H_{25}NO_2$

Methyl (3*R*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)butanoate

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
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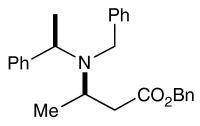
Tetrahedron: Asymmetry *17 (2006) 1793*



$[\alpha]_D^{20} = +12.0$ (*c* 1.2, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*)

$C_{26}H_{29}NO_2$

Benzyl (3*R*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)butanoate

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
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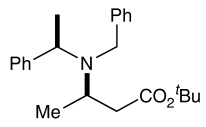
Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{23}H_{31}NO_2$

tert-Butyl (3*R*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)butanoate

$[\alpha]_D^{20} = -3.7$ (*c* 1.1, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*)

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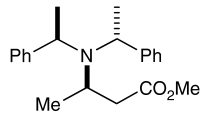
Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{21}H_{27}NO_2$

Methyl (3*R*,α*R*,α′*R*)-3-(*N*,*N*-bis(α-methylbenzyl)amino)butanoate

$[\alpha]_D^{20} = -7.6$ (*c* 1.1, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*,α′*R*)

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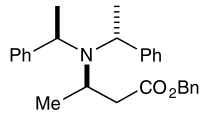
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{27}H_{31}NO_2$

Benzyl (3*R*,α*R*,α′*R*)-3-(*N*,*N*-bis(α-methylbenzyl)amino)butanoate

$[\alpha]_D^{20} = +9.6$ (*c* 1.1, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*,α′*R*)

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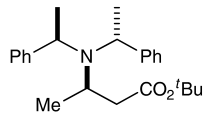
Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{24}H_{33}NO_2$

tert-Butyl (3*R*,α*R*,α′*R*)-3-(*N*,*N*-bis(α-methylbenzyl)amino)butanoate

$[\alpha]_D^{20} = +2.6$ (*c* 1.2, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*,α′*R*)

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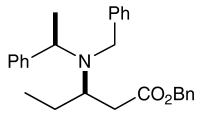
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{27}H_{31}NO_2$

Benzyl (3*R*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)pentanoate

$[\alpha]_D^{20} = +23.6$ (*c* 1.1, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*)

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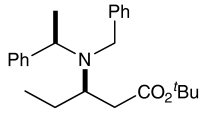
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{24}H_{33}NO_2$

tert-Butyl (3*R*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)pentanoate

$[\alpha]_D^{20} = +22.4$ (*c* 1.1, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*)

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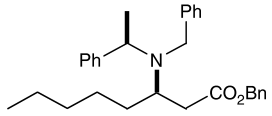
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{30}H_{37}NO_2$

Benzyl (3*R*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)octanoate

$[\alpha]_D^{20} = +11.9$ (*c* 1.6, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*)

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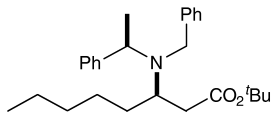
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{27}H_{39}NO_2$

tert-Butyl (3*R*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)octanoate

$[\alpha]_D^{20} = +7.6$ (*c* 1.4, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*)

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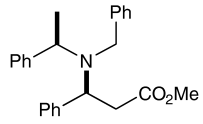
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{25}H_{27}NO_2$

Methyl (3*S*,α*R*)-3-(*N*-benzyl-*N*-α-methybenzylamino)-3-phenylpropanoate

$[\alpha]_D^{20} = -4.2$ (*c* 1.1, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*)

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Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
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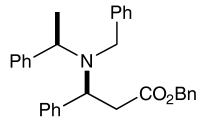
Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{31}H_{31}NO_2$

Benzyl (3*S*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)-3-phenylpropanoate

$[\alpha]_D^{20} = +3.8$ (*c* 1.0, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
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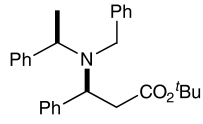
Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{28}H_{33}NO_2$

tert-Butyl (3*S*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)-3-phenylpropanoate

$[\alpha]_D^{20} = +3.9$ (*c* 0.7, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*)

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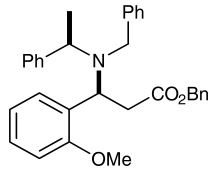
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{32}H_{33}NO_3$

Benzyl (3*S*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)-3-(2-methoxyphenyl)propanoate

$[\alpha]_D^{20} = +8.6$ (*c* 0.6, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*)

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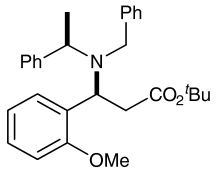
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



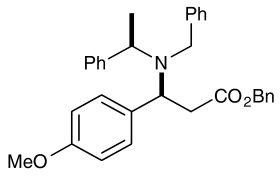
$C_{29}H_{35}NO_3$

$[\alpha]_D^{20} = +15.0$ (*c* 0.9, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*)

tert-Butyl (3*S*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)-3-(2-methoxyphenyl)propanoate

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{32}H_{33}NO_3$

$[\alpha]_D^{20} = +7.1$ (*c* 1.0, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*)

Benzyl (3*S*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)-3-(4-methoxyphenyl)propanoate

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
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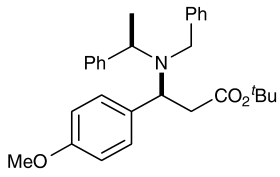
Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{29}H_{35}NO_3$

$[\alpha]_D^{20} = +2.2$ (*c* 1.0, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*)

tert-Butyl (3*S*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)-3-(4-methoxyphenyl)propanoate

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
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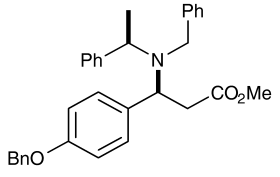
Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{32}H_{33}NO_3$

$[\alpha]_D^{20} = -0.8$ (*c* 2.0, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*)

Methyl (3*S*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)-3-(4-benzyloxyphenyl)propanoate

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
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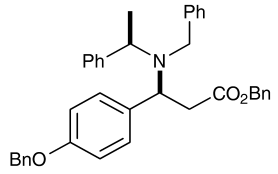
Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{38}H_{37}NO_3$

$[\alpha]_D^{20} = -3.5$ (*c* 1.7, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*)

Benzyl (3*S*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)-3-(4-benzyloxyphenyl)propanoate

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Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
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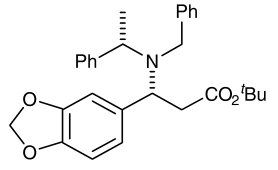
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{29}H_{33}NO_4$

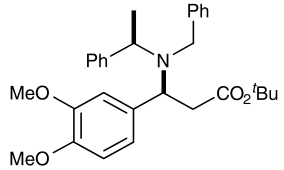
$[\alpha]_D^{23} = -0.3$ (*c* 1.5, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*S*)

tert-Butyl (3*R*,α*S*)-3-(3,4-methylenedioxyphenyl)-3-(*N*-benzyl-*N*-α-methylbenzylamino)propanoate

---

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



$C_{30}H_{37}NO_4$

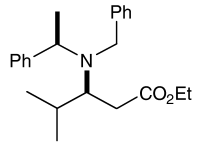
$[\alpha]_D^{22} = -0.07$ (*c* 0.95, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*)

tert-Butyl (3*R*,α*S*)-3-(3,4-dimethoxyphenyl)-3-(*N*-benzyl-*N*-α-methylbenzylamino)propanoate

---

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



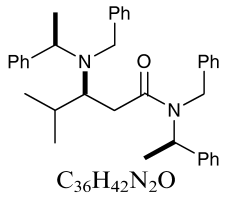
$C_{23}H_{31}NO_2$

$[\alpha]_D^{20} = -2.5$ (*c* 1.0, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*)

Ethyl (3*S*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)-4-methyl-pentanoate

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



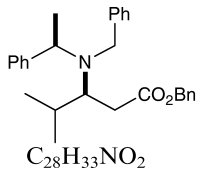
$C_{36}H_{42}N_2O$

$[\alpha]_D^{21} = +89.3$ (*c* 1.8, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*,α*R*′)

(3*S*,α*R*,α*R*′)-*N*-Benzyl-*N*-α-methylbenzyl 3-(*N*-benzyl-*N*-α-methylbenzylamino)-4-methyl pentamide

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



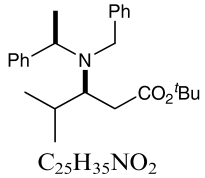
$C_{28}H_{33}NO_2$

$[\alpha]_D^{20} = -4.8$ (*c* 1.3, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*)

Benzyl (3*S*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)-4-methyl-pentanoate

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



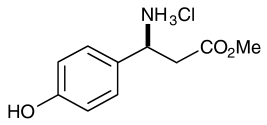
$C_{25}H_{35}NO_2$

$[\alpha]_D^{24} = -1.9$ (*c* 1.4, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,α*R*)

tert-Butyl (3*S*,α*R*)-3-(*N*-benzyl-*N*-α-methylbenzylamino)-4-methyl-pentanoate

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



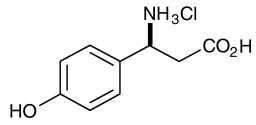
$C_{10}H_{14}NO_3Cl$

$[\alpha]_D^{20} = +10.6$ (*c* 1.9, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

(*S*)-β-Tyrosine methyl ester hydrochloride

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



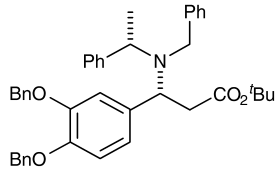
$C_9H_{12}NO_3Cl$

(*S*)-β-Tyrosine hydrochloride

$[\alpha]_D^{25} = +3.6$ (*c* 1.4, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



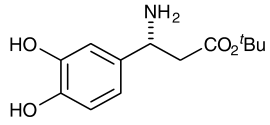
$C_{42}H_{44}NO_4$

tert-Butyl (3*R*,α*S*)-3-(3,4-dibenzyloxyphenyl)-3-(*N*-benzyl-*N*-α-methylbenzylamino)propanoate

$[\alpha]_D^{22} = -2.0$ (*c* 1.4, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*S*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



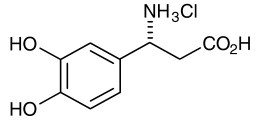
$C_{13}H_{18}NO_4$

tert-Butyl (*R*)-3-(3,4-dihydroxyphenyl)-3-aminopropanoate

$[\alpha]_D^{23} = +1.0$ (*c* 0.70, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (*R*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



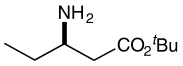
$C_9H_{12}NO_4Cl$

(*R*)-β-DOPA hydrochloride

$[\alpha]_D^{23} = +1.0$ (*c* 0.70, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (*R*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



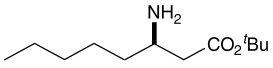
$C_9H_{19}NO_2$

tert-Butyl (*R*)-3-aminopentanoate

$[\alpha]_D^{20} = -22.3$ (*c* 1.5, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (*R*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



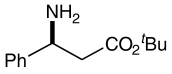
$C_{12}H_{25}NO_2$

tert-Butyl (*R*)-3-aminoctanoate

$[\alpha]_D^{20} = -14.3$ (*c* 0.7, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (*R*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



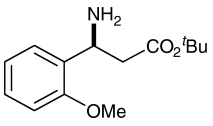
$C_{13}H_{19}NO_2$

tert-Butyl (*S*)-3-phenyl-3-aminopropanoate

$[\alpha]_D^{20} = -21.0$ (*c* 1.0, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



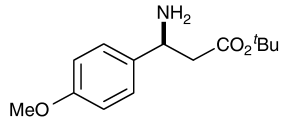
$C_{14}H_{21}NO_3$

tert-Butyl (*S*)-3-(2-methoxyphenyl)-3-aminopropanoate

$[\alpha]_D^{20} = -20.0$ (*c* 0.7, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



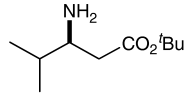
$C_{14}H_{21}NO_3$

tert-Butyl (*S*)-3-(4-methoxyphenyl)-3-aminopropanoate

$[\alpha]_D^{20} = -14.1$ (*c* 0.8, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



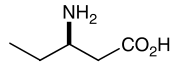
$C_{10}H_{21}NO_2$

tert-Butyl (*S*)-4-methyl-3-aminopentanoate

$[\alpha]_D^{20} = -25.8$ (*c* 3.4, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



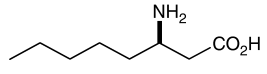
$C_5H_{11}NO_2$

(*R*)-β-Aminopentanoic acid

$[\alpha]_D^{20} = -40.8$ (*c* 0.8, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (*R*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



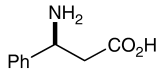
$C_8H_{17}NO_2$

(*R*)-β-Aminooctanoic acid

$[\alpha]_D^{24} = -28.3$ (*c* 0.5, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (*R*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin, Osamu Ichihara, Luke J. Kotchie, Paul D. Price, Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



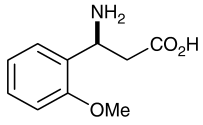
$C_9H_{11}NO_2$

(*S*)-β-Phenylalanine

$[\alpha]_D^{20} = -7.0$ (*c* 1.0, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin, Osamu Ichihara, Luke J. Kotchie, Paul D. Price, Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



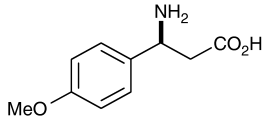
$C_{10}H_{13}NO_3$

(*S*)-β-(2-Methoxyphenyl)-β-amino propionic acid

$[\alpha]_D^{20} = +15.5$ (*c* 1.0, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin, Osamu Ichihara, Luke J. Kotchie, Paul D. Price, Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



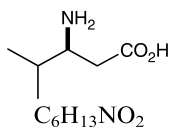
$C_{10}H_{13}NO_3$

(*S*)-β-Tyrosine methyl ether

$[\alpha]_D^{20} = -1.4$ (*c* 0.2, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin, Osamu Ichihara, Luke J. Kotchie, Paul D. Price, Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



$C_6H_{13}NO_2$

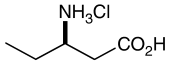
(*S*)-β-Leucine

$[\alpha]_D^{24} = -48.2$ (*c* 1.1, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*

$[\alpha]_D^{20} = -22.9$ (c 0.8, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (R)

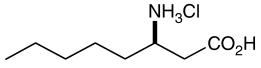


$C_5H_{12}NO_2Cl$
(R)-3-Aminopentanoic acid hydrochloride

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*

$[\alpha]_D^{20} = -16.6$ (c 1.1, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (R)

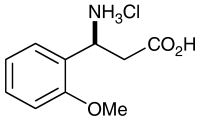


$C_8H_{18}NO_2Cl$
(R)-β-Aminoctanoic acid hydrochloride

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*

$[\alpha]_D^{20} = +20.0$ (c 0.5, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (S)

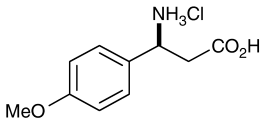


$C_{10}H_{14}NO_3Cl$
(S)-β-(2-Methoxyphenyl)-β-aminopropionic acid hydrochloride

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin,
Osamu Ichihara, Luke J. Kotchie, Paul D. Price,
Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*

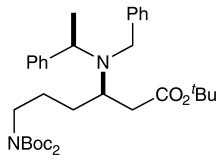
$[\alpha]_D^{20} = +2.7$ (c 0.5, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (S)



$C_{10}H_{14}NO_3Cl$
(S)-β-(4-Methoxyphenyl)-β-aminopropionic acid hydrochloride

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin, Osamu Ichihara, Luke J. Kotchie, Paul D. Price, Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



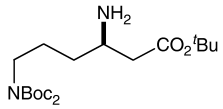
$[\alpha]_D^{22} = +6.4$ (*c* 0.75, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*,α*R*)

$C_{35}H_{52}N_2O_6$

tert-Butyl (3*R*,α*R*)-3-(*N*-benzyl-*N*-[α-methylbenzyl]amino)-6-(*N*′,*N*′-di-*tert*-butoxycarbonylamino)hexanoate

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin, Osamu Ichihara, Luke J. Kotchie, Paul D. Price, Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



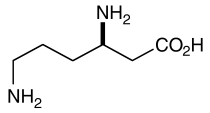
$[\alpha]_D^{23} = -5.7$ (*c* 1.08, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (*R*)

$C_{20}H_{38}N_2O_6$

tert-Butyl (*R*)-3-amino-6-(*N*,*N*-di-*tert*-butoxycarbonylamino)hexanoate

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin, Osamu Ichihara, Luke J. Kotchie, Paul D. Price, Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

Tetrahedron: Asymmetry *17 (2006) 1793*



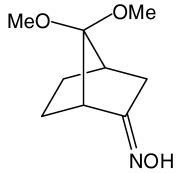
$[\alpha]_D^{21} = -19.3$ (*c* 0.63, 1 M HCl)
Source of chirality: asymmetric synthesis
Absolute configuration: (*R*)

$C_{16}H_{30}N_2O_6$

(*R*)-β-Lysine

José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*

Tetrahedron: Asymmetry *17 (2006) 1817*



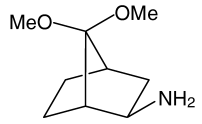
Ee >99%
$[\alpha]_D^{20} = -35.5$ (*c* 1.1, EtOAc)
Source of chirality: enzymatic resolution
Absolute configuration: (1*S*,4*R*)

$C_9H_{15}NO_3$

(−)-7,7-Dimethoxy-2-oximo-norbornane

José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*

Tetrahedron: Asymmetry *17 (2006) 1817*



$C_9H_{17}NO_2$

(−)-7,7-Dimethoxy-2-*exo*-amino-norbornane

Ee >99%

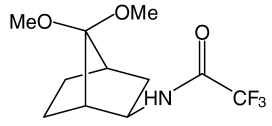
$[\alpha]_D^{20} = -18.0$ (*c* 1.0, EtOAc)

Source of chirality: enzymatic resolution

Absolute configuration: (1*S*,2*R*,4*R*)

José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*

Tetrahedron: Asymmetry *17 (2006) 1817*



$C_{11}H_{16}NO_3F_3$

(−)-7,7-Dimethoxy-2-*exo*-trifluoroacetamide-norbornane

Ee >99%

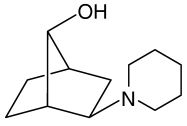
$[\alpha]_D^{20} = -7.4$ (*c* 1.2, EtOAc)

Source of chirality: enzymatic resolution

Absolute configuration: (1*S*,2*R*,4*R*)

José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*

Tetrahedron: Asymmetry *17 (2006) 1817*



$C_{12}H_{21}NO$

(−)-2-*exo*-Piperidine-7-*syn*-hydroxy-norbornane

Ee >99%

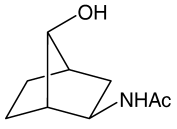
$[\alpha]_D^{20} = -30.0$ (*c* 1.0, EtOAc)

Source of chirality: enzymatic resolution

Absolute configuration: (1*S*,2*R*,4*R*,7*S*)

José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*

Tetrahedron: Asymmetry *17 (2006) 1817*



$C_9H_{15}NO_2$

(+)-2-*exo*-Acetamido-7-*syn*-hydroxy-norbornane

Ee >99%

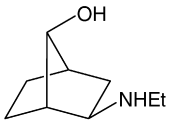
$[\alpha]_D^{20} = +5.4$ (*c* 1.1, EtOAc)

Source of chirality: enzymatic resolution

Absolute configuration: (1*S*,2*R*,4*R*,7*S*)

José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*

Tetrahedron: Asymmetry *17 (2006) 1817*



$C_9H_{17}NO$

(−)-2-*exo*-Ethylamino-7-*syn*-hydroxy-norbornane

Ee >99%

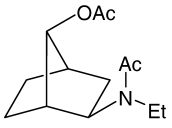
$[\alpha]_D^{20} = -20.0$ (*c* 1.0, EtOAc)

Source of chirality: enzymatic resolution

Absolute configuration: (1*S*,2*R*,4*R*,7*S*)

José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*

Tetrahedron: Asymmetry *17 (2006) 1817*



$C_{13}H_{21}NO_3$

(+)-2-*exo*-Acetylethylamino-7-*syn*-acetate-norbornane

Ee >99%

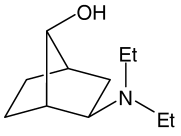
$[\alpha]_D^{20} = +2.0$ (*c* 1.1, EtOAc)

Source of chirality: enzymatic resolution

Absolute configuration: (1*S*,2*R*,4*R*,7*S*)

José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*

Tetrahedron: Asymmetry *17 (2006) 1817*



$C_{11}H_{21}NO$

(−)-2-*exo*-*N*,*N*-Diethylamino-7-*syn*-hydroxy-norbornane

Ee >99%

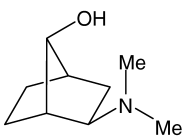
$[\alpha]_D^{20} = -41.0$ (*c* 1.1, EtOAc)

Source of chirality: enzymatic resolution

Absolute configuration: (1*S*,2*R*,4*R*,7*S*)

José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*

Tetrahedron: Asymmetry *17 (2006) 1817*



$C_9H_{17}NO$

(−)-2-*exo*-*N*,*N*-Dimethylamino-7-*syn*-hydroxy-norbornane

Ee >99%

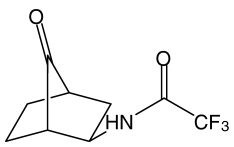
$[\alpha]_D^{20} = -25.0$ (*c* 1.2, EtOAc)

Source of chirality: enzymatic resolution

Absolute configuration: (1*S*,2*R*,4*R*,7*S*)

José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*

Tetrahedron: Asymmetry *17 (2006) 1817*



$C_9H_{10}NO_2F_3$

(+)-2-*exo*-Trifluoroacetamide-7-one-norbornane

Ee >99%

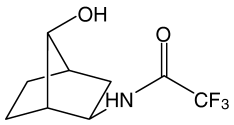
$[\alpha]_D^{20} = +8.5$ (*c* 2.0, EtOAc)

Source of chirality: enzymatic resolution

Absolute configuration: (1*S*,2*R*,4*R*)

José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*

Tetrahedron: Asymmetry *17 (2006) 1817*



$C_9H_{12}NO_2F_3$

(−)-2-*exo*-Trifluoroacetamide-7-*syn*-hydroxy-norbornane

Ee >99%

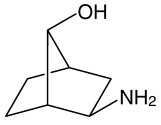
$[\alpha]_D^{20} = -3.6$ (*c* 1.1, $CHCl_3$)

Source of chirality: enzymatic resolution

Absolute configuration: (1*S*,2*R*,4*R*,7*S*)

José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*

Tetrahedron: Asymmetry *17 (2006) 1817*



$C_7H_{13}NO$

(−)-2-*exo*-Amino-7-*syn*-hydroxy-norbornane

Ee >99%

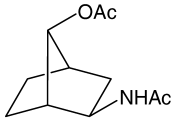
$[\alpha]_D^{20} = -5.0$ (*c* 1.2, $CHCl_3$)

Source of chirality: enzymatic resolution

Absolute configuration: (1*S*,2*R*,4*R*,7S)

José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*

Tetrahedron: Asymmetry *17 (2006) 1817*



$C_{11}H_{17}NO_3$

(+)-2-*exo*-Acetamido-7-*syn*-acetate-norbornane

Ee >99%

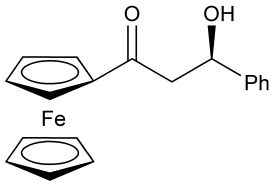
$[\alpha]_D^{20} = +22.3$ (*c* 1.2, EtOAc)

Source of chirality: enzymatic resolution

Absolute configuration: (1*S*,2*R*,4*R*,7*S*)

Angela Patti* and Sonia Pedotti

Tetrahedron: Asymmetry *17 (2006) 1824*



$C_{19}H_{18}FeO_2$

(*R*)-1-Ferrocenyl-3-phenyl-3-hydroxypropane-1 one

Ee = >99% (by chiral HPLC)

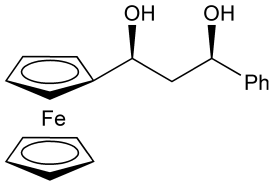
$[\alpha]_D = +18.2$ (*c* 0.88, $CHCl_3$)

Source of chirality: asymmetric reduction of 1-ferrocenyl-3-phenylpropane-1,3-dione

Absolute configuration: *R*

Angela Patti* and Sonia Pedotti

Tetrahedron: Asymmetry *17 (2006) 1824*



$C_{19}H_{20}FeO_2$

(1*S*,3*R*)-1-Ferrocenyl-3-phenyl-1,3-dihydroxypropane

Ee = >99% (by chiral HPLC)

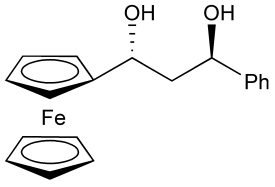
$[\alpha]_D = +29.3$ (*c* 0.15, $CHCl_3$)

Source of chirality: (*R*)-1-ferrocenyl-3-phenyl-3-hydroxypropane-1-one

Absolute configuration: 1*S*,3*R*

Angela Patti* and Sonia Pedotti

Tetrahedron: Asymmetry *17 (2006) 1824*



$C_{19}H_{20}FeO_2$

(1*R*,3*R*)-1-Ferrocenyl-3-phenyl-1,3-dihydroxypropane

Ee = >99% (by chiral HPLC)

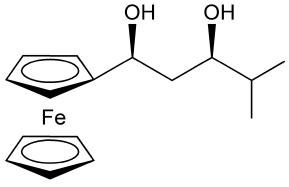
$[\alpha]_D = +15.2$ (*c* 0.21, $CHCl_3$)

Source of chirality: (*R*)-1-ferrocenyl-3-phenyl-3-hydroxypropane-1-one

Absolute configuration: 1*R*,3*R*

Angela Patti* and Sonia Pedotti

Tetrahedron: Asymmetry *17 (2006) 1824*



$C_{16}H_{22}FeO_2$

(1*S*,3*R*)-1-Ferrocenyl-1,3-dihydroxy-4-methylpentane

Ee = 94% (by chiral HPLC)

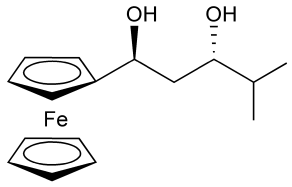
$[\alpha]_D = +35.3$ (*c* 0.36, $CHCl_3$)

Source of chirality: asymmetric reduction of (±)-1-ferrocenyl-3-hydroxy-4-methylpentane-1-one

Absolute configuration: 1*S*,3*R*

Angela Patti* and Sonia Pedotti

Tetrahedron: Asymmetry *17 (2006) 1824*



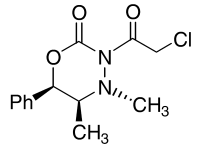
$C_{16}H_{22}FeO_2$

(1*S*,3*S*)-1-Ferrocenyl-1,3-dihydroxy-4-methylpentane

Ee = 87% (by chiral HPLC)
$[\alpha]_D = +7.8$ (*c* 0.65, $CHCl_3$)
Source of chirality: asymmetric reduction of (±)-1-ferrocenyl-3-hydroxy-4-methylpentane-1-one
Absolute configuration: 1*S*,3*S*

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



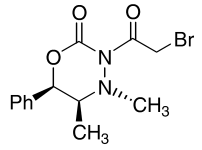
$C_{13}H_{15}ClN_2O_3$

(4*R*,5*S*,6*R*)-3-(2-Chloroacetyl)-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

$[\alpha]_D^{25} = -28.3$ (*c* 0.53, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (4*R*,5*S*,6*R*)

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



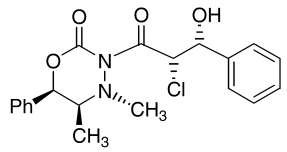
$C_{13}H_{15}BrN_2O_3$

(4*R*,5*S*,6*R*)-3-(2-Bromoacetyl)-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

$[\alpha]_D^{25} = -19.6$ (*c* 0.58, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (4*R*,5*S*,6*R*)

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



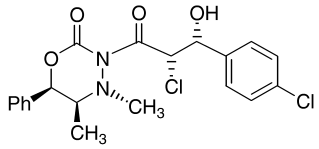
$C_{20}H_{21}N_2O_4Cl$

(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-(2-Chloro-3-hydroxy-3-phenylpropanoyl)-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

$[\alpha]_D^{25} = -20.3$ (*c* 0.48, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



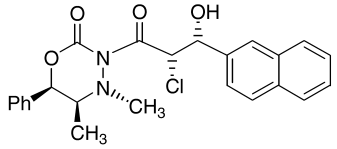
$[\alpha]_D^{25} = -17.2$ (c 0.31, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

$C_{20}H_{21}N_2O_4Cl_2$

(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-[2-Chloro-3-(4-chlorophenyl)-3-hydroxypropanoyl]-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



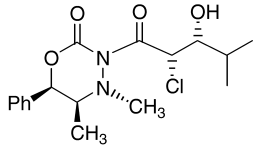
$[\alpha]_D^{25} = -30.0$ (c 0.33, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

$C_{24}H_{23}N_2O_4Cl$

(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-(2-Chloro-3-hydroxy-3-naphthalen-2-yl-propanoyl)-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



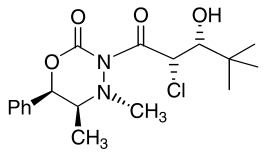
$[\alpha]_D^{25} = -31.9$ (c 0.25, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

$C_{17}H_{23}N_2O_4Cl$

(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-(2-Chloro-3-hydroxy-4-methylpentanoyl)-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



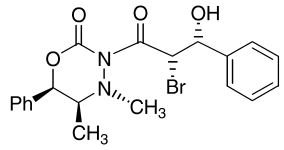
$[\alpha]_D^{25} = -20.5$ (c 0.48, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

$C_{18}H_{25}N_2O_4Cl$

(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-(2-Chloro-3-hydroxy-4,4-dimethylpentanoyl)-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



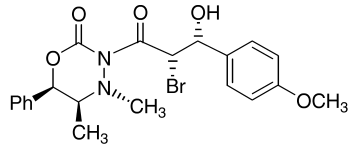
$[\alpha]_D^{25} = -22.7$ (*c* 0.29, CH_3OH)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

$C_{20}H_{21}N_2O_4Br$

(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-(2-Bromo-3-hydroxy-3-phenylpropanoyl)-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



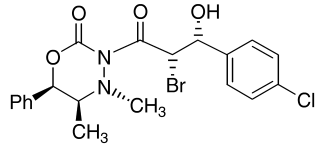
$[\alpha]_D^{25} = -16.5$ (*c* 0.53, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

$C_{21}H_{23}N_2O_5Br$

(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-[2-Bromo-3-hydroxy-3-(4-methoxyphenyl)propanoyl]-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



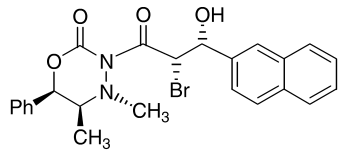
$[\alpha]_D^{25} = -27.4$ (*c* 0.49, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

$C_{20}H_{20}N_2O_4BrCl$

(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-[2-Bromo-3-hydroxy-3-(4-chlorophenyl)propanoyl]-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



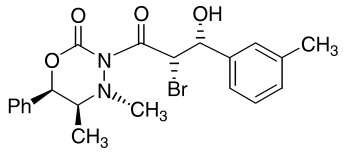
$[\alpha]_D^{25} = -27.4$ (*c* 0.32, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

$C_{24}H_{23}N_2O_4Br$

(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-(2-Bromo-3-hydroxy-3-naphthalen-2-yl-propanoyl)-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



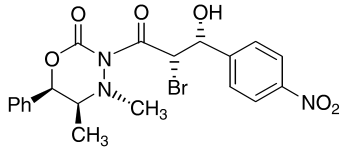
$[\alpha]_D^{25} = -19.6$ (c 0.30, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

$C_{21}H_{23}N_2O_4Br$

(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-(2-Bromo-3-hydroxy-3-*m*-tolylpropanoyl)-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



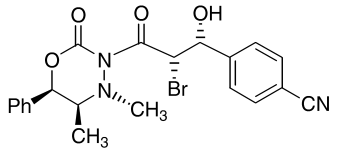
$[\alpha]_D^{25} = -23.2$ (c 0.38, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

$C_{20}H_{21}N_3O_6Br$

(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-[2-Bromo-3-hydroxy-3-(4-nitrophenyl)propanoyl]-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



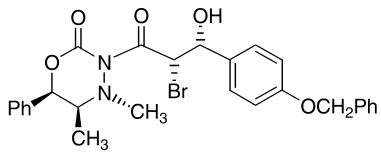
$[\alpha]_D^{25} = -16.5$ (c 0.40, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

$C_{21}H_{21}N_3O_4Br$

(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-[2-Bromo-3-(4-cyanophenyl)-3-hydroxypropanoyl]-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*



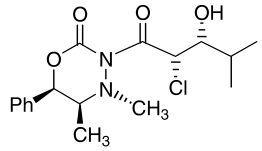
$[\alpha]_D^{25} = -16.8$ (c 0.27, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

$C_{27}H_{27}BrN_2O_5$

(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-[2-Bromo-3-hydroxy-3-(4-benzyloxyphenyl)propanoyl]-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazinan-2-one

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*

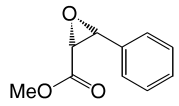


$[\alpha]_D^{25} = -25.6$ (c 0.30, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2′*S*,3′*R*,4*R*,5*S*,6*R*)

$C_{17}H_{23}N_2O_4Br$
(2′*S*,3′*R*,4*R*,5*S*,6*R*)-3-(2-Bromo-3-hydroxy-4-methylpentanoyl)-4,5-dimethyl-6-phenyl-2*H*-1,3,4-oxadiazin-2-one

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*

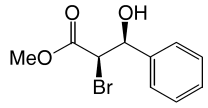


$[\alpha]_D = +10.0$ (c 0.25, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2*R*,3*R*)

$C_{10}H_{10}O_3$
Methyl (2*R*,3*R*)-phenylglycidate

Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*

Tetrahedron: Asymmetry *17 (2006) 1831*

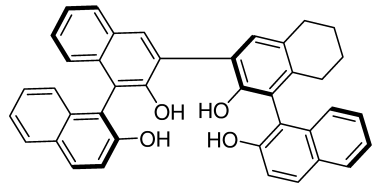


$[\alpha]_D = +29.1$ (c 0.42, $CHCl_3$)
Source of chirality: (1*R*,2*S*)-ephedrine
Absolute configuration: (2*R*,3*S*)

$C_{10}H_{11}BrO_3$
Methyl (2*R*,3*S*)-2-Bromo-3-hydroxy-3-phenylpropanoate

Yong-Na Lu, Qun-Sheng Guo, Fu-Yong Jiang and Jin-Shan Li*

Tetrahedron: Asymmetry *17 (2006) 1842*

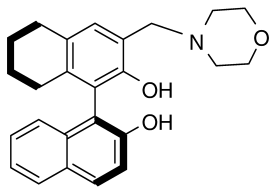


Ee = 100%
$[\alpha]_D^{25} = -19.3$ (c 1.01, $CHCl_3$)
Source of chirality: resolution
Absolute configuration: (*S*,*S*)

$C_{40}H_{30}O_4$
(*S*,*S*)-3-(1,1′-Bi-2-naphthol-3-yl)-5,6,7,8-tetrahydro-1,1′-bi-2-naphthol

Yong-Na Lu, Qun-Sheng Guo, Fu-Yong Jiang and Jin-Shan Li*

Tetrahedron: Asymmetry *17 (2006) 1842*



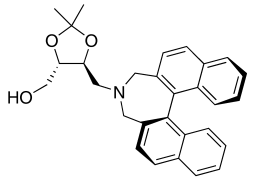
$C_{25}H_{27}NO_3$

(*S*)-3-(Morpholin-4-ylmethyl)-5,6,7,8-tetrahydro-1,1′-bi-2-naphthol

Ee = 100%
$[\alpha]_D^{25} = -30.8$ (*c* 1.06, $CHCl_3$)
Source of chirality: resolution
Absolute configuration: (*S*)

Igor Mikhael, Catherine Goux-Henry and Denis Sinou*

Tetrahedron: Asymmetry *17 (2006) 1853*



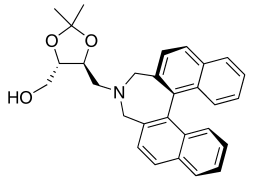
$C_{29}H_{28}NO_3$

(R_A,4*S*,5*S*)-5-(3,5-Dihydro-4*H*-dinaphtho[1,2-*e*:2′,1′-*c*]azepin-4-ylmethyl)-2,2-dimethyl-1,3-dioxolan-4-yl]methanol

$[\alpha]_D^{20} = -275$ (*c* 1.0, $CHCl_3$)
Source of chirality: (2*S*,3*S*)-2,3-*O*-isopropylidene-threitol and (*R*)-binaphthol
Absolute configuration: (R_A,4*S*,5*S*)

Igor Mikhael, Catherine Goux-Henry and Denis Sinou*

Tetrahedron: Asymmetry *17 (2006) 1853*



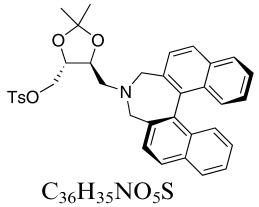
$C_{29}H_{28}NO_3$

(S_A,4*S*,5*S*)-5-(3,5-Dihydro-4*H*-dinaphtho[1,2-*e*:2′,1′-*c*]azepin-4-ylmethyl)-2,2-dimethyl-1,3-dioxolan-4-yl]methanol

$[\alpha]_D^{20} = +250$ (*c* 1.0, $CHCl_3$)
Source of chirality: (2*S*,3*S*)-2,3-*O*-isopropylidene-threitol and (*S*)-binaphthol
Absolute configuration: (S_A,4*S*,5*S*)

Igor Mikhael, Catherine Goux-Henry and Denis Sinou*

Tetrahedron: Asymmetry *17 (2006) 1853*



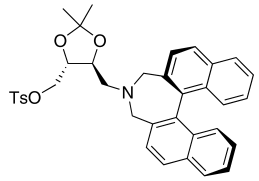
$C_{36}H_{35}NO_5S$

(R_A,4*S*,5*S*)-5-(3,5-Dihydro-4*H*-dinaphtho[1,2-*e*:2′,1′-*c*]azepin-4-ylmethyl)-2,2-dimethyl-1,3-dioxolan-4-yl]methyl 4-methylbenzene sulfonate

$[\alpha]_D^{20} = -190$ (*c* 1.0, $CHCl_3$)
Source of chirality: (2*S*,3*S*)-2,3-*O*-isopropylidene-threitol and (*R*)-binaphtol
Absolute configuration: (R_A,4*S*,5*S*)

Igor Mikhael, Catherine Goux-Henry and Denis Sinou*

Tetrahedron: Asymmetry *17 (2006) 1853*



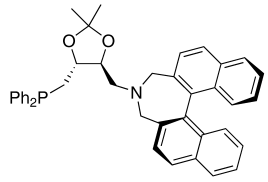
$[\alpha]_D^{20} = +197$ (*c* 1.0, $CHCl_3$)
Source of chirality: (2*S*,3*S*)-2,3-*O*-isopropylidene-threitol and (*S*)-binaphtol
Absolute configuration: (S_A,4*S*,5*S*)

$C_{36}H_{35}NO_5S$

(S_A,4*S*,5*S*)-5-(3,5-Dihydro-4*H*-dinaphtho[1,2-*e*:2′,1′-*c*]azepin-4-ylmethyl)-2,2-dimethyl-1,3-dioxolan-4-yl]methyl 4-methylbenzene sulfonate

Igor Mikhael, Catherine Goux-Henry and Denis Sinou*

Tetrahedron: Asymmetry *17 (2006) 1853*



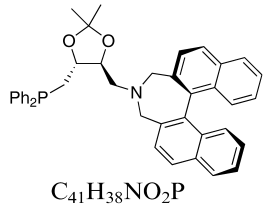
$[\alpha]_D^{20} = -147$ (*c* 0.7, $CHCl_3$)
Source of chirality: (2*S*,3*S*)-2,3-*O*-isopropylidene-threitol and (*R*)-binaphtol
Absolute configuration: (R_A,4*S*,5*R*)

$C_{41}H_{38}NO_2P$

(R_A,4*S*,5*R*)-4-({5-[(Diphenylphosphino)methyl]-2,2-dimethyl-1,3-dioxolan-4-yl}methyl)-4,5-dihydro-3*H*-dinaphtho[1,2-*e*:2′,1′-*c*]-azepine

Igor Mikhael, Catherine Goux-Henry and Denis Sinou*

Tetrahedron: Asymmetry *17 (2006) 1853*



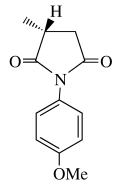
$[\alpha]_D^{20} = +235$ (*c* 0.7, $CHCl_3$)
Source of chirality: (2*S*,3*S*)-2,3-*O*-isopropylidene-threitol and (*S*)-binaphthol
Absolute configuration: (S_A,4*S*,5*R*)

$C_{41}H_{38}NO_2P$

(S_A,4*S*,5*R*)-4-({5-[(Diphenylphosphino)methyl]-2,2-dimethyl-1,3-dioxolan-4-yl}methyl)-4,5-dihydro-3*H*-dinaphtho[1,2-*e*:2′,1′-*c*]-azepine

Mohamed-Elamir F. Hegazy, Kozo Shishido and Toshifumi Hirata*

Tetrahedron: Asymmetry *17 (2006) 1859*



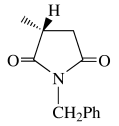
Ee = 99%
$[\alpha]_D = +4.0$ (*c* 0.13, $CHCl_3$)
Source of chirality: asymm. hydrogenation with the cultured suspension cells of *M. polymorpha*
Absolute configuration: *R*

$C_{12}H_{13}O_3N$

N-*p*-Methoxyphenyl-2-methylsuccinimide

Mohamed-Elamir F. Hegazy, Kozo Shishido and Toshifumi Hirata*

Tetrahedron: Asymmetry *17 (2006) 1859*



$C_{12}H_{13}O_2N$

N-Benzyl-2-methylsuccinimide

Ee = >99%

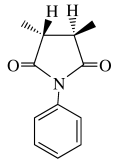
$[\alpha]_D = +14.0$ (*c* 0.18, $CHCl_3$)

Source of chirality: asymm. hydrogenation with the cultured suspension cells of *M. polymorpha*

Absolute configuration: *R*

Mohamed-Elamir F. Hegazy, Kozo Shishido and Toshifumi Hirata*

Tetrahedron: Asymmetry *17 (2006) 1859*



$C_{12}H_{13}O_2N$

N-Phenyl-2,3-dimethylsuccinimide

Ee = 99%

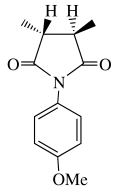
$[\alpha]_D = +21.0$ (*c* 0.03, $CHCl_3$)

Source of chirality: asymm. hydrogenation with the cultured suspension cells of *M. polymorpha*

Absolute configuration: 2*R*,3*R*

Mohamed-Elamir F. Hegazy, Kozo Shishido and Toshifumi Hirata*

Tetrahedron: Asymmetry *17 (2006) 1859*



$C_{13}H_{15}O_3N$

N-*p*-Methoxyphenyl-2,3-dimethylsuccinimide

Ee = >99%

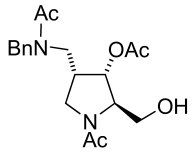
$[\alpha]_D = +15.0$ (*c* 0.08, $CHCl_3$)

Source of chirality: asymm. hydrogenation with the cultured suspension cells of *M. polymorpha*

Absolute configuration: 2*R*,3*R*

Luis Álvarez de Cienfuegos and Nicole Langlois*

Tetrahedron: Asymmetry *17 (2006) 1863*



$C_{19}H_{26}N_2O_5$

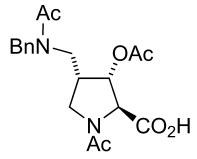
(2*R*,3*S*,4*S*)-3-Acetoxy-1-acetyl-4-(benzylacetamidomethyl)-2-hydroxymethylpyrrolidine

$[\alpha]_D^{24} = -60.2$ (*c* 1.34, $CHCl_3$)

Source of chirality: (*S*)-pyroglutaminol

Luis Álvarez de Cienfuegos and Nicole Langlois*

Tetrahedron: Asymmetry *17 (2006) 1863*



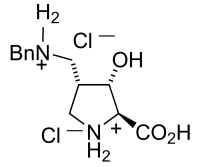
$[\alpha]_D^{24} = -56.3$ (*c* 1.37, $CHCl_3$)
Source of chirality: (*S*)-pyroglutaminol

$C_{19}H_{24}N_2O_6$

(2*S*,3*S*,4*S*)-3-Acetoxy-1-acetyl-4-(benzylacetamidomethyl)pyrrolidine-2-carboxylic acid

Luis Álvarez de Cienfuegos and Nicole Langlois*

Tetrahedron: Asymmetry *17 (2006) 1863*



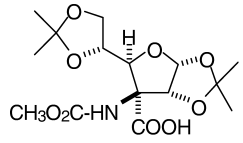
$[\alpha]_D^{24} = +2.2$ (*c* 1.22, MeOH)
Source of chirality: (*S*)-pyroglutaminol

$C_{13}H_{20}Cl_2N_2O_3$

(2*S*,3*S*,4*S*)-4-(Benzylaminomethyl)-3-hydroxypyrrolidine-2-carboxylic acid dihydrochloride

Jozef Gonda,* Miroslava Martinková, Jana Raschmanová and Eva Balentová

Tetrahedron: Asymmetry *17 (2006) 1875*



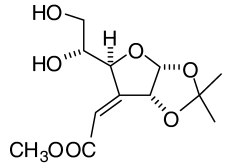
$[\alpha]_D^{25} = +86$ (*c* 0.195, $CHCl_3$)
Source of chirality: D-glucose
1*R*,2*R*,3*R*,4*S*,5*R*

$C_{15}H_{23}NO_9$

3-Deoxy-1,2:5,6-di-*O*-isopropylidene-3-methoxycarbonylamino-α-D-glucofuranose 3-*C*-carboxylic acid

Jozef Gonda,* Miroslava Martinková, Jana Raschmanová and Eva Balentová

Tetrahedron: Asymmetry *17 (2006) 1875*



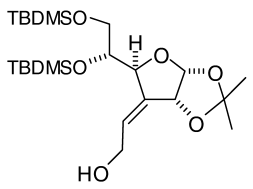
$[\alpha]_D^{25} = +126.5$ (*c* 0.29, $CHCl_3$)
Source of chirality: D-glucose
1*R*,2*R*,4*S*,5*R*

$C_{12}H_{18}O_7$

3-*C*-(*Z*)-Carbomethoxymethylene-3-deoxy-1,2-*O*-isopropylidene-α-D-glucofuranose

Jozef Gonda,* Miroslava Martinková, Jana Raschmanová and Eva Balentová

Tetrahedron: Asymmetry *17 (2006) 1875*



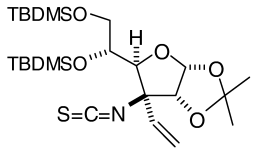
$[\alpha]_D^{25} = +67.3$ (*c* 0.13, $CHCl_3$)
Source of chirality: D-glucose
1*R*,2*R*,4*S*,5*R*

$C_{23}H_{46}O_6Si_2$

5,6-Bis(*O*-*tert*-butyldimethylsilyl)-3-deoxy-3-*C*-(*Z*)-(2-hydroxyethylidene)-1,2-*O*-isopropylidene-α-D-glucofuranose

Jozef Gonda,* Miroslava Martinková, Jana Raschmanová and Eva Balentová

Tetrahedron: Asymmetry *17 (2006) 1875*



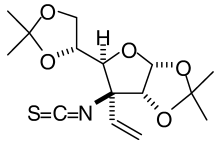
$[\alpha]_D^{25} = +21.3$ (*c* 0.13, $CHCl_3$)
Source of chirality: D-glucose
1*R*,2*R*,3*R*,4*S*,5*R*

$C_{24}H_{45}NO_5SSi_2$

5,6-Bis(*O*-*tert*-butyldimethylsilyl)-3-deoxy-1,2-*O*-isopropylidene-3-isothiocyanato-3-*C*-vinyl-α-D-glucofuranose

Jozef Gonda,* Miroslava Martinková, Jana Raschmanová and Eva Balentová

Tetrahedron: Asymmetry *17 (2006) 1875*



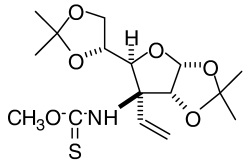
$[\alpha]_D^{25} = +51.1$ (*c* 0.23, $CHCl_3$)
Source of chirality: D-glucose
1*R*,2*R*,3*S*,4*S*,5*R*

$C_{15}H_{21}NO_5S$

3-Deoxy-1,2:5,6-di-*O*-isopropylidene-3-isothiocyanato-3-*C*-vinyl-α-D-glucofuranose

Jozef Gonda,* Miroslava Martinková, Jana Raschmanová and Eva Balentová

Tetrahedron: Asymmetry *17 (2006) 1875*



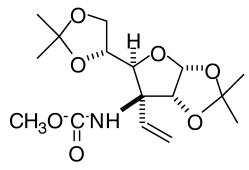
$[\alpha]_D^{25} = +16.3$ (*c* 0.18, $CHCl_3$)
Source of chirality: D-glucose
1*R*,2*R*,3*S*,4*S*,5*R*

$C_{16}H_{25}NO_6S$

3-Deoxy-1,2:5,6-di-*O*-isopropylidene-3-methoxythiocarbonylamino-3-*C*-vinyl-α-D-glucofuranose

Jozef Gonda,* Miroslava Martinková, Jana Raschmanová and Eva Balentová

Tetrahedron: Asymmetry *17 (2006) 1875*



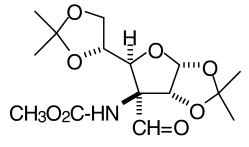
$[\alpha]_D^{25} = +31.4$ (c 0.26, $CHCl_3$)
Source of chirality: D-glucose
1*R*,2*R*,3*S*,4*S*,5*R*

$C_{16}H_{25}NO_7$

3-Deoxy-1,2:5,6-di-*O*-isopropylidene-3-methoxycarbonylamino-3-*C*-vinyl-α-D-glucofuranose

Jozef Gonda,* Miroslava Martinková, Jana Raschmanová and Eva Balentová

Tetrahedron: Asymmetry *17 (2006) 1875*



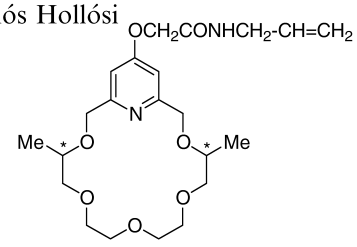
$[\alpha]_D^{25} = +46.3$ (c 0.16, $CHCl_3$)
Source of chirality: D-glucose
1*R*,2*R*,3*R*,4*S*,5*R*

$C_{15}H_{23}NO_8$

3-Deoxy-1,2:5,6-di-*O*-isopropylidene-3-methoxycarbonylamino-α-D-glucopyranose 3-*C*-carbaldehyde

Viktor Farkas, Tünde Tóth, György Orosz, Péter Huszthy* and Miklós Hollósi

Tetrahedron: Asymmetry *17 (2006) 1883*



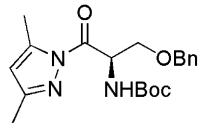
Ee >98%
$[\alpha]_D^{25} = +12.7$ (c 0.84, CH_2Cl_2)
Source of chirality: (*S*)-(−)-ethyl lactate
Absolute configuration: 4*S*,14*S*

$C_{22}H_{34}N_2O_7$

2-[(4*S*,14*S*)-4,14-Dimethyl-3,6,9,12,15-pentaoxa-21-azabicyclo[15.3.1]heneicosa-1(21),17,19-trien-19-yloxy]-*N*-(2-propenyl)-acetamide

Makoto Oba,* Akira Iwasaki, Hiroshi Hitokawa, Toshinori Ikegame, Hiroyuki Banba, Kozo Ura, Tadashi Takamura and Kozaburo Nishiyama*

Tetrahedron: Asymmetry *17 (2006) 1890*



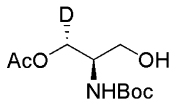
$[\alpha]_D^{26} = +18.2$ (c 1.0, $CHCl_3$)
Source of chirality: D-Ser
Absolute configuration: (1*R*)

$C_{20}H_{27}N_3O_4$

(1*R*)-[1-[(3,5-Dimethylpyrazol-1-yl)carbonyl]-2-benzyloxyethyl]carbamic acid *tert*-butyl ester

Makoto Oba,* Akira Iwasaki, Hiroshi Hitokawa, Toshinori Ikegame, Hiroyuki Banba, Kozo Ura, Tadashi Takamura and Kozaburo Nishiyama*

Tetrahedron: Asymmetry *17 (2006) 1890*



$C_{10}H_{18}{}^{2}HNO_5$

(2*R*,3*R*)-*N*-*tert*-Butoxycarbonyl-O^3-acetyl[3-^{2}H]serinol

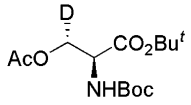
$[\alpha]_D^{26} = +3.2$ (*c* 1.0, $CHCl_3$)

Source of chirality: D-Ser and *S*-Alpine-Borane

Absolute configuration: (2*R*,3*R*)

Makoto Oba,* Akira Iwasaki, Hiroshi Hitokawa, Toshinori Ikegame, Hiroyuki Banba, Kozo Ura, Tadashi Takamura and Kozaburo Nishiyama*

Tetrahedron: Asymmetry *17 (2006) 1890*



$C_{14}H_{24}{}^{2}HNO_6$

(2*S*,3*R*)-*N*-*tert*-Butoxycarbonyl-O^3-acetyl[3-^{2}H]serine *tert*-butyl ester

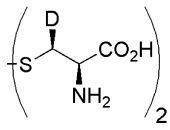
$[\alpha]_D^{26} = +24.05$ (*c* 1.0, $CHCl_3$)

Source of chirality: D-Ser and *S*-Alpine-Borane

Absolute configuration: (2*S*,3*R*)

Makoto Oba,* Akira Iwasaki, Hiroshi Hitokawa, Toshinori Ikegame, Hiroyuki Banba, Kozo Ura, Tadashi Takamura and Kozaburo Nishiyama*

Tetrahedron: Asymmetry *17 (2006) 1890*



$C_6H_{10}{}^{2}H_2N_2O_4S_2$

(2*R*,2′*R*,3*S*,3′*S*)-[3,3′-$^2H_2$]Cystine

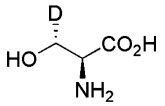
$[\alpha]_D^{23} = -220.0$ (*c* 0.1, 1 M HCl)

Source of chirality: D-Ser and *S*-Alpine-Borane

Absolute configuration: (2*R*,2′*R*,3*S*,3′*S*)

Makoto Oba,* Akira Iwasaki, Hiroshi Hitokawa, Toshinori Ikegame, Hiroyuki Banba, Kozo Ura, Tadashi Takamura and Kozaburo Nishiyama*

Tetrahedron: Asymmetry *17 (2006) 1890*



$C_3H_6{}^{2}HNO_3$

(2*S*,3*R*)-[3-^{2}H]Serine

Ee = 94%

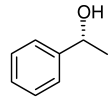
$[\alpha]_D^{23} = +15.4$ (*c* 1.0, 1 M HCl)

Source of chirality: D-Ser and *S*-Alpine-Borane

Absolute configuration: (2*S*,3*R*)

Shang-Dong Yang, Yun Shi, Zhen-Hua Sun, Ya-Bin Zhao and Yong-Min Liang*

Tetrahedron: Asymmetry *17 (2006) 1895*



$C_8H_{10}O$

(*R*)-1-Phenylethanol

Ee = 73%

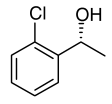
$[\alpha]_D^{25} = -38.4$ (*c* 1.32, $CHCl_3$)

Source of chirality: asymmetric reduction

Absolute configuration: *R*

Shang-Dong Yang, Yun Shi, Zhen-Hua Sun, Ya-Bin Zhao and Yong-Min Liang*

Tetrahedron: Asymmetry *17 (2006) 1895*



C_8H_9OCl

(*R*)-1(2-Chlorophenyl)-ethanol

Ee = 94%

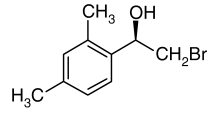
$[\alpha]_D^{25} = -49.3$ (*c* 1.12, $CHCl_3$)

Source of chirality: asymmetric reduction

Absolute configuration: *R*

Shang-Dong Yang, Yun Shi, Zhen-Hua Sun, Ya-Bin Zhao and Yong-Min Liang*

Tetrahedron: Asymmetry *17 (2006) 1895*



$C_{10}H_{13}OBr$

(*S*)-2-Bromo-1-(2,4-dimethylphenyl)-ethanol

Ee = 95%

$[\alpha]_D^{25} = +41.5$ (*c* 1.06, $CHCl_3$)

Source of chirality: asymmetric reduction

Absolute configuration: *S*