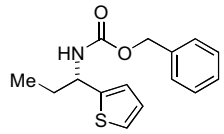
Dieter Enders* and Giuseppe Del Signore

Tetrahedron: Asymmetry *15 (2004) 747*

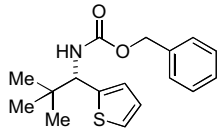


Ee = 99% (Chiral HPLC)
$[\alpha]_D^{25} = -57.8$ (*c* 1.4, $CHCl_3$)

$C_{15}H_{17}NO_2S$
(*S*)-(1-Thiophen-2-yl-propyl)-carbamic acid benzyl ester

Dieter Enders* and Giuseppe Del Signore

Tetrahedron: Asymmetry *15 (2004) 747*

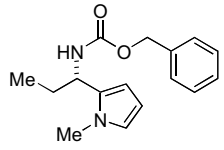


Ee = 93% (Chiral HPLC)
$[\alpha]_D^{25} = -8.1$ (*c* 1.5, $CHCl_3$)

$C_{17}H_{21}NO_2S$
(*S*)-(2,2-Dimethyl-1-thiophen-3-yl-propyl)-carbamic acid benzyl ester

Dieter Enders* and Giuseppe Del Signore

Tetrahedron: Asymmetry *15 (2004) 747*

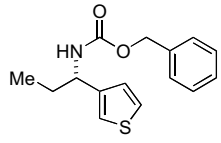


Ee = 88% (Chiral HPLC)
$[\alpha]_D^{25} = -62.4$ (*c* 1.8, $CHCl_3$)

$C_{16}H_{20}N_2O_2$
(*S*)-[1-(1-Methyl-1*H*-pyrrol-2-yl)-propyl]-carbamic acid benzyl ester

Dieter Enders* and Giuseppe Del Signore

Tetrahedron: Asymmetry *15 (2004) 747*

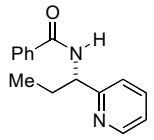


Ee = 94% (Chiral HPLC)
$[\alpha]_D^{25} = -47.4$ (*c* 1.1, $CHCl_3$)

$C_{15}H_{17}NO_2S$
(*S*)-(1-Thiophen-3-yl-propyl)-carbamic acid benzyl ester

Dieter Enders* and Giuseppe Del Signore

Tetrahedron: Asymmetry *15 (2004) 747*

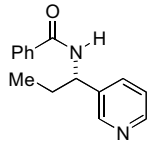


Ee = 96% (Chiral HPLC)
$[\alpha]_D^{25} = -16.0$ (*c* 1.0, $CHCl_3$)

$C_{15}H_{16}N_2O$
(1*S*)-*N*-(1-Pyridin-2-yl-propyl)-benzamide

Dieter Enders* and Giuseppe Del Signore

Tetrahedron: Asymmetry *15 (2004) 747*

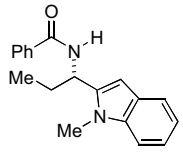


Ee = 96% (Chiral HPLC)
$[\alpha]_D^{25} = +11.7$ (*c* 1.4, $CHCl_3$)

$C_{15}H_{16}N_2O$
(1*S*)-*N*-(1-Pyridin-3-yl-propyl)-benzamide

Dieter Enders* and Giuseppe Del Signore

Tetrahedron: Asymmetry *15 (2004) 747*

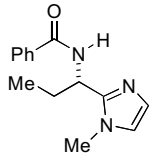


Ee = 94% (Chiral HPLC)
$[\alpha]_D^{25} = -120.2$ (*c* 1.6, $CHCl_3$)

$C_{19}H_{20}N_2O$
(1*S*)-*N*-[1-(1-Methyl-1*H*-indol-2-yl)-propyl]-benzamide

Dieter Enders* and Giuseppe Del Signore

Tetrahedron: Asymmetry *15 (2004) 747*

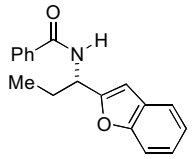


Ee = 99% (Chiral HPLC)
$[\alpha]_D^{25} = -25.0$ (*c* 1.2, $CHCl_3$)

$C_{14}H_{17}N_3O$
(1*S*)-*N*-[1-(1-Methyl-1*H*-imidazol-2-yl)-propyl]-benzamide

Dieter Enders* and Giuseppe Del Signore

Tetrahedron: Asymmetry *15 (2004) 747*

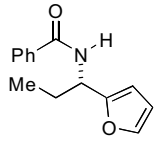


Ee = 97% (Chiral HPLC)
$[\alpha]_D^{25} = -85.4$ (*c* 0.9, $CHCl_3$)

$C_{18}H_{17}NO_2$
(1*S*)-*N*-(1-Benzofuran-2-yl-propyl)-benzamide

Dieter Enders* and Giuseppe Del Signore

Tetrahedron: Asymmetry *15 (2004) 747*

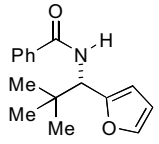


Ee = 99% (Chiral HPLC)
$[\alpha]_D^{25} = -62.4$ (*c* 1.1, $CHCl_3$)

$C_{14}H_{15}NO_2$
(1*S*)-*N*-(1-Furan-2-yl-propyl)-benzamide

Dieter Enders* and Giuseppe Del Signore

Tetrahedron: Asymmetry *15 (2004) 747*

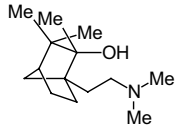


Ee = 98% (Chiral HPLC)
$[\alpha]_D^{25} = -43.0$ (*c* 1.3, $CHCl_3$)

$C_{16}H_{19}NO_2$
(1*S*)-*N*-(1-Furan-2-yl-2,2-dimethylpropyl)-benzamide

Antonio García Martínez,* Enrique Teso Vilar, Amelia García Fraile, Santiago de la Moya Cerero* and Beatriz Lora Maroto

Tetrahedron: Asymmetry *15 (2004) 753*

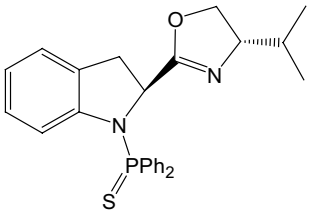


$[\alpha]_D^{20} = +15.4$ (*c* 2.20, $CHCl_3$)
Source of chirality: natural (−)-(1*R*)-fenchone
Absolute configuration: (1*R*,2*R*)

$C_{14}H_{27}NO$
1-[2-(Dimethylamino)ethyl]-2,3,3-trimethylnorbornan-2-ol

Catherine Blanc and Francine Agbossou-Niedercorn*

Tetrahedron: Asymmetry *15 (2004) 757*

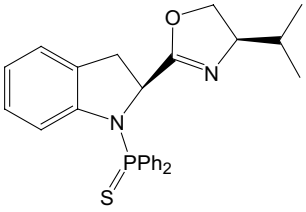


$[\alpha]_D = -57.4$ (*c* 0.012, $CHCl_3$)
Source of chirality: L-indoline carboxylic acid, L-valinol
Absolute configuration: 2*S*,3′*S*

$C_{26}H_{29}N_2OPS$
1-(Diphenyl-phosphinothioyl)-2-(3′-isopropyl-4′,5′-dihydro-oxazo-2′-yl)-2,3-dihydro-1H-indole

Catherine Blanc and Francine Agbossou-Niedercorn*

Tetrahedron: Asymmetry *15 (2004) 757*

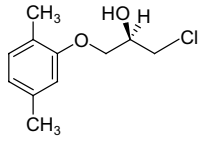


$[\alpha]_D = -10.4$ (*c* 0.012, $CHCl_3$)
Source of chirality: L-indoline carboxylic acid, D-valinol
Absolute configuration: 2*S*,3′*R*

$C_{26}H_{29}N_2OPS$
1-(Diphenyl-phosphinothioyl)-2-(3′-isopropyl-4′,5′-dihydro-oxazo-2′-yl)-2,3-dihydro-1H-indole

Fernando Martínez Lagos, Jose D. Carballeira, Jose L. Bermúdez, Emilio Alvarez and Jose V. Sinisterra*

Tetrahedron: Asymmetry *15 (2004) 763*

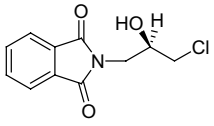


Ee = 99%
$[\alpha]_D^{25} = -7.2$ (*c* 0.46, EtOH)
Source of chirality: enzymatic reduction of ketone
Absolute configuration: 2*R*

$C_{11}H_{15}ClO_2$
(2*R*)-(−)-1-Chloro-3-(2,5-dimethylphenoxy)propan-2-ol

Fernando Martínez Lagos, Jose D. Carballeira, Jose L. Bermúdez, Emilio Alvarez and Jose V. Sinisterra*

Tetrahedron: Asymmetry *15 (2004) 763*

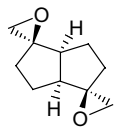


Ee = 93%
$[\alpha]_D^{25} = +16.2$ (*c* 0.48, EtOH)
Source of chirality: enzymatic reduction of ketone
Absolute configuration: 2*R*

(2*R*)-(+)-1-Chloro-3-phthalimidyl-propan-2-ol

Yu-Wu Zhong, Ping Tian and Guo-Qiang Lin*

Tetrahedron: Asymmetry *15 (2004) 771*



$[\alpha]_D^{20} = +108.8$ (c 2.15, $CHCl_3$)
Source of chirality: enzymatic resolution
Absolute configuration: (1*S*,2*S*,5*S*,6*S*)

$C_{10}H_{14}O_2$
(1*S*,2*S*,5*S*,6*S*)-Bicyclo[3.3.0]octan-2,6-dione diepoxide

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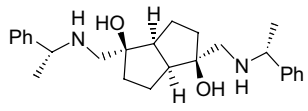
Yu-Wu Zhong, Ping Tian and Guo-Qiang Lin*

Tetrahedron: Asymmetry *15 (2004) 771*



$[\alpha]_D^{20} = +56.5$ (c 0.85, $CHCl_3$)
Source of chirality: enzymatic resolution, (*R*)-1-phenylethylamine
Absolute configuration: (1*S*,2*S*,5*S*,6*S*,1′*R*,1″*R*)

$C_{16}H_{36}N_2O_2$
(1*S*,2*S*,5*S*,6*S*,1′*R*,1″*R*)-2,6-Bis(1-phenylethyl-amino-methyl)-bicyclo[3.3.0]octan-2,6-diol

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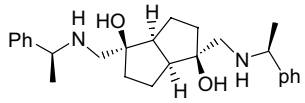
Yu-Wu Zhong, Ping Tian and Guo-Qiang Lin*

Tetrahedron: Asymmetry *15 (2004) 771*



$[\alpha]_D^{20} = -12.5$ (c 3.20, $CHCl_3$)
Source of chirality: enzymatic resolution, (*S*)-1-phenylethylamine
Absolute configuration: (1*S*,2*S*,5*S*,6*S*,1′*S*,1″*S*)

$C_{16}H_{36}N_2O_2$
(1*S*,2*S*,5*S*,6*S*,1′*S*,1″*S*)-2,6-Bis(1-phenylethyl-amino-methyl)-bicyclo[3.3.0]octan-2,6-diol

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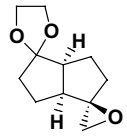
Yu-Wu Zhong, Ping Tian and Guo-Qiang Lin*

Tetrahedron: Asymmetry *15 (2004) 771*

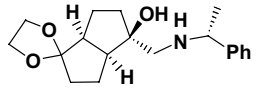


$[\alpha]_D^{20} = +63.6$ (c 1.15, $CHCl_3$)
Source of chirality: enzymatic resolution
Absolute configuration: (1*S*,5*S*,6*S*)

$C_{11}H_{16}O_3$
(1*S*,5*S*,6*S*)-Bicyclo[3.3.0]octan-2,6-dione 2-epoxide 6-ethylene ketal

Yu-Wu Zhong, Ping Tian and Guo-Qiang Lin*

Tetrahedron: Asymmetry *15 (2004) 771*

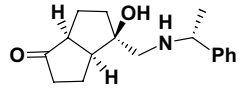


$[\alpha]_D^{20} = +70.7$ (c 1.35, $CHCl_3$)
Source of chirality: enzymatic resolution, (*R*)-1-phenylethylamine
Absolute configuration: (1*S*,5*S*,6*S*,1′*R*)

$C_{18}H_{24}NO_3$
(1*S*,5*S*,6*S*,1′*R*)-6-Hydroxy-6-(1-phenylethyl-amino-methyl)-bicyclo[3.3.0]octan-2-one ethylene ketal

Yu-Wu Zhong, Ping Tian and Guo-Qiang Lin*

Tetrahedron: Asymmetry *15 (2004) 771*

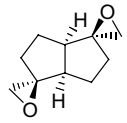


$[\alpha]_D^{20} = +146.5$ (c 0.85, $CHCl_3$)
Source of chirality: enzymatic resolution, (*R*)-1-phenylethylamine
Absolute configuration: (1*S*,5*S*,6*S*,1′*R*)

$C_{17}H_{23}NO_2$
(1*S*,5*S*,6*S*,1′*R*)-6-Hydroxy-6-(1-phenylethyl-amino-methyl)-bicyclo[3.3.0]octan-2-one

Yu-Wu Zhong, Ping Tian and Guo-Qiang Lin*

Tetrahedron: Asymmetry *15 (2004) 771*

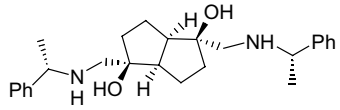


$[\alpha]_D^{20} = -111.6$ (c 1.20, $CHCl_3$)
Source of chirality: enzymatic resolution
Absolute configuration: (1*R*,2*R*,5*R*,6*R*)

$C_{10}H_{14}O_2$
(1*R*,2*R*,5*R*,6*R*)-Bicyclo[3.3.0]octan-2,6-dione diepoxide

Yu-Wu Zhong, Ping Tian and Guo-Qiang Lin*

Tetrahedron: Asymmetry *15 (2004) 771*

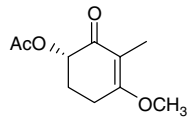


$[\alpha]_D^{20} = -53.0$ (c 1.55, $CHCl_3$)
Source of chirality: enzymatic resolution, (*S*)-1-phenylethylamine
Absolute configuration: (1*R*,2*R*,5*R*,6*R*,1′*S*,1″*S*)

$C_{16}H_{36}N_2O_2$
(1*R*,2*R*,5*R*,6*R*,1′*S*,1″*S*)-2,6-Bis(1-phenylethyl-amino-methyl)-bicyclo[3.3.0]octan-2,6-diol

Ayhan S. Demir,* Hamide Fındık and Elif Köse

Tetrahedron: Asymmetry *15 (2004) 777*



$C_{10}H_{14}O_4$

(*S*)-4-Methoxy-3-methyl-2-oxocyclohex-3-en-1-yl acetate

Ee >98%

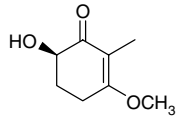
$[\alpha]_D^{20} = -87.94$ (*c* 0.6, $CHCl_3$)

Source of chirality: enzymatic resolution

Absolute configuration: (*S*)

Ayhan S. Demir,* Hamide Fındık and Elif Köse

Tetrahedron: Asymmetry *15 (2004) 777*



$C_8H_{12}O_3$

(*R*)-6-Hydroxy-3-methoxy-2-methylcyclohex-2-en-1-one

Ee = 96%

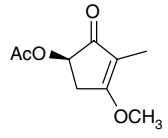
$[\alpha]_D^{20} = +167.3$ (*c* 0.3, $CHCl_3$)

Source of chirality: enzymatic resolution

Absolute configuration: (*R*)

Ayhan S. Demir,* Hamide Fındık and Elif Köse

Tetrahedron: Asymmetry *15 (2004) 777*



$C_9H_{12}O_4$

(*R*)-4-Methoxy-3-methyl-2-oxocyclopent-3-en-1-yl acetate

Ee = 98%

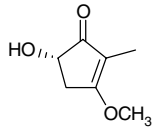
$[\alpha]_D^{20} = +32.1$ (*c* 0.01, $CHCl_3$)

Source of chirality: enzymatic resolution

Absolute configuration: (*R*)

Ayhan S. Demir,* Hamide Fındık and Elif Köse

Tetrahedron: Asymmetry *15 (2004) 777*



$C_7H_{10}O_3$

(*S*)-5-Hydroxy-3-methoxy-2-methylcyclopent-2-en-1-one

Ee = 95%

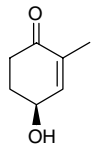
$[\alpha]_D^{20} = +78.8$ (*c* 0.1, $CHCl_3$)

Source of chirality: enzymatic resolution

Absolute configuration: (*S*)

Ayhan S. Demir,* Hamide Fındık and Elif Köse

Tetrahedron: Asymmetry *15 (2004) 777*

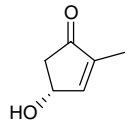


$C_7H_{10}O_2$
(*R*)-4-Hydroxy-2-methylcyclohex-2-en-1-one

Ee = 98%
$[\alpha]_D^{20} = +46.7$ (*c* 0.1, $CHCl_3$)
Source of chirality: enzymatic resolution
Absolute configuration: (*R*)

Ayhan S. Demir,* Hamide Fındık and Elif Köse

Tetrahedron: Asymmetry *15 (2004) 777*

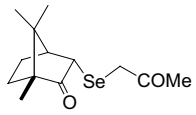


$C_6H_8O_2$
(*S*)-4-Hydroxy-2-methylcyclopent-2-en-1-one

Ee = 95%
$[\alpha]_D^{20} = -33.5$ (*c* 1.1, $CHCl_3$)
Source of chirality: enzymatic resolution
Absolute configuration: (*S*)

Marcello Tiecco,* Lorenzo Testaferri, Francesca Marini, Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*



$C_{13}H_{20}O_2Se$
(*R*)-Camphorselenoacetone

$[\alpha]_D^{20} = +18.3$ (*c* 1.2, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: *R*

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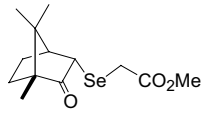
Tetrahedron: Asymmetry *15 (2004) 783*



$C_{13}H_{20}O_3Se$
Methyl (*R*)-camphorselenoacetate

$[\alpha]_D^{25} = -23.9$ (*c* 3.2, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: *R*

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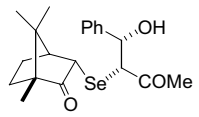
Tetrahedron: Asymmetry *15 (2004) 783*



$[\alpha]_D^{20} = +70.0$ (*c* 2.4, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 3*R*,4*S*

$C_{20}H_{26}O_3Se$
(3*R*,4*S*)-3-(Camphorseleno)-4-hydroxy-4-phenylbutan-2-one

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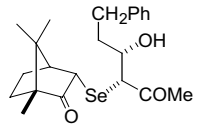
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*



$[\alpha]_D^{21} = +47.3$ (*c* 2.7, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 3*R*,4*S*

$C_{22}H_{30}O_3Se$
(3*R*,4*S*)-3-(Camphorseleno)-4-hydroxy-6-phenylhexan-2-one

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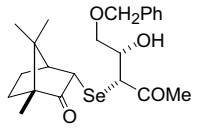
Tetrahedron: Asymmetry *15 (2004) 783*



$[\alpha]_D^{22} = +49.3$ (*c* 1.4, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 3*R*,4*S*

$C_{22}H_{30}O_4Se$
(3*R*,4*S*)-5-(Benzyloxy)-3-(camphorseleno)-4-hydroxypentan-2-one

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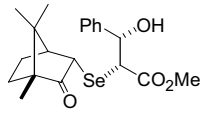
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*



$[\alpha]_D^{25} = -41.2$ (*c* 1.5, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*R*,3*S*

$C_{20}H_{26}O_4Se$
Methyl (2*R*,3*S*)-2-(camphorseleno)-3-hydroxy-3-phenylpropanoate

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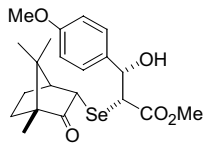
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*



$[\alpha]_D^{26} = -40.4$ (*c* 2.0, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*R*,3*S*

$C_{21}H_{28}O_5Se$
Methyl (2*R*,3*S*)-2-(camphorseleno)-3-hydroxy-3-(4-methoxyphenyl)propanoate

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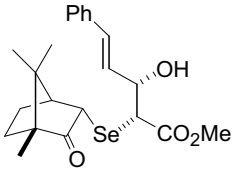
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*



$[\alpha]_D^{23} = -58.1$ (*c* 1.6, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*R*,3*S*

$C_{22}H_{28}O_4Se$
Methyl (2*R*,3*S*,4*E*)-2-(camphorseleno)-3-hydroxy-5-phenylpent-4-enoate

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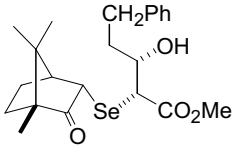
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*



$[\alpha]_D^{17} = -41.6$ (*c* 3.5, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*R*,3*S*

$C_{22}H_{30}O_4Se$
Methyl (2*R*,3*S*)-2-(camphorseleno)-3-hydroxy-5-phenylpentanoate

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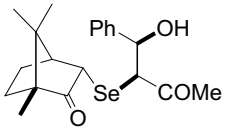
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*

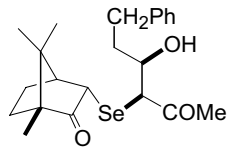


$[\alpha]_D^{22} = -125.0$ (*c* 0.4, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 3*S*,4*R*

$C_{20}H_{26}O_3Se$
(3*S*,4*R*)-3-(Camphorseleno)-4-hydroxy-4-phenylbutan-2-one

Marcello Tiecco,* Lorenzo Testaferri, Francesca Marini,
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*

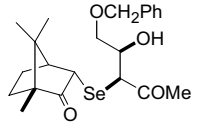


$[\alpha]_D^{24} = -105.7$ (*c* 0.4, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 3*S*,4*R*

$C_{22}H_{30}O_3Se$
(3*S*,4*R*)-3-(Camphorseleno)-4-hydroxy-6-phenylhexan-2-one

Marcello Tiecco,* Lorenzo Testaferri, Francesca Marini,
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*



$[\alpha]_D^{24} = -64.9$ (*c* 0.5, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 3*S*,4*R*

$C_{22}H_{30}O_4Se$
(3*S*,4*R*)-5-(Benzyloxy)-3-(camphorseleno)-4-hydroxypentan-2-one

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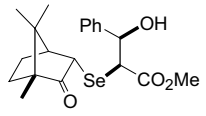
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*



$[\alpha]_D^{26} = -86.4$ (*c* 2.5, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*S*,3*R*

$C_{20}H_{26}O_4Se$
Methyl (2*S*,3*R*)-2-(camphorseleno)-3-hydroxy-3-phenylpropanoate

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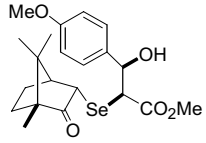
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*

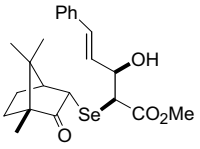


$[\alpha]_D^{26} = -51.3$ (*c* 1.3, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*S*,3*R*

$C_{21}H_{28}O_5Se$
Methyl (2*S*,3*R*)-2-(camphorseleno)-3-hydroxy-3-(4-methoxyphenyl)propanoate

Marcello Tiecco,* Lorenzo Testaferri, Francesca Marini,
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*



$[\alpha]_D^{24} = -50.4$ (*c* 2.5, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*S*,3*R*

$C_{22}H_{28}O_4Se$
Methyl (2*S*,3*R*,4*E*)-2-(camphorseleno)-3-hydroxy-5-phenylpent-4-enoate

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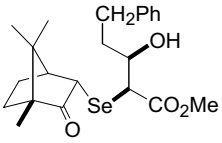
Marcello Tiecco,* Lorenzo Testaferri, Francesca Marini,
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*



$[\alpha]_D^{19} = -79.5$ (*c* 1.7, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*S*,3*R*

$C_{22}H_{30}O_4Se$
Methyl (2*S*,3*R*)-2-(camphorseleno)-3-hydroxy-5-phenylpentanoate

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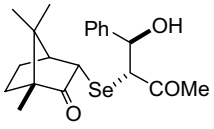
Tetrahedron: Asymmetry *15 (2004) 783*

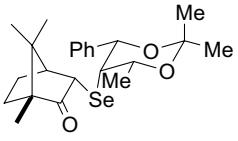


$[\alpha]_D^{24} = +56.1$ (*c* 0.9, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 3*R*,4*R*

$C_{20}H_{26}O_3Se$
(3*R*,4*R*)-3-(Camphorseleno)-4-hydroxy-4-phenylbutan-2-one

Marcello Tiecco,* Lorenzo Testaferri, Francesca Marini,
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*



M.p. 90–91 °C
$[\alpha]_D^{19} = -113.5$ (*c* 1.7, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 4*R*,5*S*,6*S*

$C_{23}H_{32}O_3Se$
(4*R*,5*S*,6*S*)-5-(Camphorseleno)-2,2,4-trimethyl-6-phenyl-1,3-dioxane

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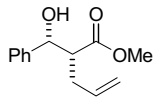
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*

$[\alpha]_D^{24} = +8.0$ (c 0.8, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*R*, (*R*)



$C_{13}H_{16}O_3$
Methyl (2*R*)-2-[(*R*)-hydroxy(phenyl)methyl]pent-4-enoate

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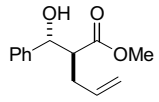
Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

Tetrahedron: Asymmetry *15 (2004) 783*

$[\alpha]_D^{25} = +26.7$ (c 0.5, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*S*, (*R*)

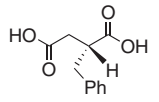


$C_{13}H_{16}O_3$
Methyl (2*S*)-2-[(*R*)-hydroxy(phenyl)methyl]pent-4-enoate

Gary P. Reid, Kieron W. Brear and David J. Robins*

Tetrahedron: Asymmetry *15 (2004) 793*

Ee 92%
$[\alpha]_D = +17.7$ (c 2.9, EtOAc)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*R*

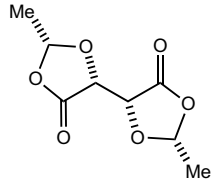


$C_{11}H_{12}O_4$
(2*R*)-2-Benzylsuccinic acid

Morris Markert, Ingo Buchem, Hannes Krüger and Rainer Mahrwald*

Tetrahedron: Asymmetry *15 (2004) 803*

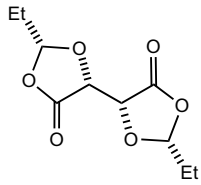
$[\alpha]_D^{25} = +96$ (c 1, ethylacetate)
Source of chirality: (*R*,*R*)-tartaric acid
Absolute configuration: 2*R*,2′*R*,5*R*,5′*R*



$C_8H_{10}O_6$
(2*R*,2′*R*,5*R*,5′*R*)-2,2′-Dimethyl-5,5′-bis(1,3-dioxolane-4,4′-dione)

Morris Markert, Ingo Buchem, Hannes Krüger and Rainer Mahrwald*

Tetrahedron: Asymmetry *15 (2004) 803*

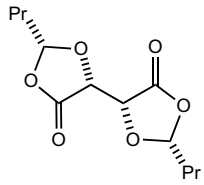


$[\alpha]_D^{25} = +35$ (*c* 0.64, CH_2Cl_2)
Source of chirality: (*R*,*R*)-tartaric acid
Absolute configuration: 2*R*,2′*R*,5*R*,5′*R*

$C_{10}H_{14}O_6$
(2*R*,2′*R*,5*R*,5′*R*)-2,2′-Diethyl-5,5′-bis(1,3-dioxolane-4,4′-dione)

Morris Markert, Ingo Buchem, Hannes Krüger and Rainer Mahrwald*

Tetrahedron: Asymmetry *15 (2004) 803*

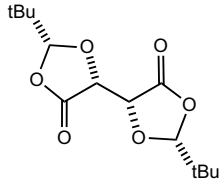


$[\alpha]_D^{25} = +61$ (*c* 0.64, CH_2Cl_2)
Source of chirality: (*R*,*R*)-tartaric acid
Absolute configuration: 2*R*,2′*R*,5*R*,5′*R*

$C_{12}H_{18}O_6$
(2*R*,2′*R*,5*R*,5′*R*)-2,2′-Dipropyl-5,5′-bis(1,3-dioxolane-4,4′-dione)

Morris Markert, Ingo Buchem, Hannes Krüger and Rainer Mahrwald*

Tetrahedron: Asymmetry *15 (2004) 803*

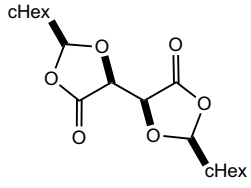


$[\alpha]_D^{25} = +18$ (*c* 1, Et_2O)
Source of chirality: (*R*,*R*)-tartaric acid
Absolute configuration: 2*R*,2′*R*,5*R*,5′*R*

$C_{14}H_{22}O_6$
(2*R*,2′*R*,5*R*,5′*R*)-2,2′-Ditertbutyl-5,5′-bis(1,3-dioxolane-4,4′-dione)

Morris Markert, Ingo Buchem, Hannes Krüger and Rainer Mahrwald*

Tetrahedron: Asymmetry *15 (2004) 803*

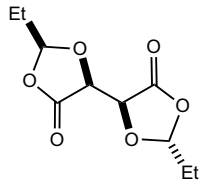


$[\alpha]_D^{25} = -46$ (*c* 1, CH_2Cl_2)
Source of chirality: (*S*,*S*)-tartaric acid
Absolute configuration: 2*S*,2′*S*,5*S*,5′*S*

$C_{18}H_{26}O_6$
(2*S*,2′*S*,5*S*,5′*S*)-2,2′-Dicyclohexyl-5,5′-bis(1,3-dioxolane-4,4′-dione)

Morris Markert, Ingo Buchem, Hannes Krüger and Rainer Mahrwald*

Tetrahedron: Asymmetry *15 (2004) 803*

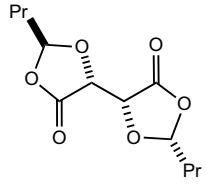


$[\alpha]_D^{25} = -65$ (c 1.04, CH_2Cl_2)
Source of chirality: (*S*,*S*)-tartaric acid
Absolute configuration: 2*S*,2′*R*,5*S*,5′*S*

$C_{10}H_{14}O_6$
(2*S*,2′*R*,5*S*,5′*S*)-2,2′-Diethyl-5,5′-bis(1,3-dioxolane-4,4′-dione)

Morris Markert, Ingo Buchem, Hannes Krüger and Rainer Mahrwald*

Tetrahedron: Asymmetry *15 (2004) 803*

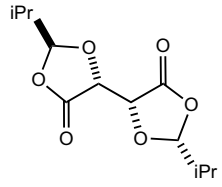


$[\alpha]_D^{25} = +33$ (c 0.04, CH_2Cl_2)
Source of chirality: (*R*,*R*)-tartaric acid
Absolute configuration: 2*S*,2′*R*,5*R*,5′*R*

$C_{12}H_{18}O_6$
(2*S*,2′*R*,5*R*,5′*R*)-2,2′-Dipropyl-5,5′-bis(1,3-dioxolane-4,4′-dione)

Morris Markert, Ingo Buchem, Hannes Krüger and Rainer Mahrwald*

Tetrahedron: Asymmetry *15 (2004) 803*

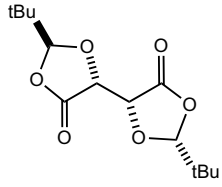


$[\alpha]_D^{25} = +38$ (c 0.16, CH_2Cl_2)
Source of chirality: (*R*,*R*)-tartaric acid
Absolute configuration: 2*S*,2′*R*,5*R*,5′*R*

$C_{12}H_{18}O_6$
(2*S*,2′*R*,5*R*,5′*R*)-2,2′-Diisopropyl-5,5′-bis(1,3-dioxolane-4,4′-dione)

Morris Markert, Ingo Buchem, Hannes Krüger and Rainer Mahrwald*

Tetrahedron: Asymmetry *15 (2004) 803*

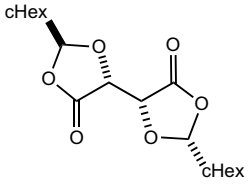


$[\alpha]_D^{25} = +49$ (c 0.26, CH_2Cl_2)
Source of chirality: (*R*,*R*)-tartaric acid
Absolute configuration: 2*S*,2′*R*,5*R*,5′*R*

$C_{14}H_{22}O_6$
(2*S*,2′*R*,5*R*,5′*R*)-2,2′-Ditertbutyl-5,5′-bis(1,3-dioxolane-4,4′-dione)

Morris Markert, Ingo Buchem, Hannes Krüger and Rainer Mahrwald*

Tetrahedron: Asymmetry *15 (2004) 803*

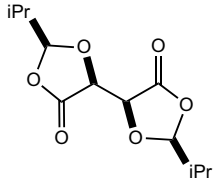


$[\alpha]_D^{25} = +24$ (c 0.26, CH_2Cl_2)
Source of chirality: (*R*,*R*)-tartaric acid
Absolute configuration: 2*S*,2′*R*,5*R*,5′*R*

$C_{18}H_{26}O_6$
(2*S*,2′*R*,5*R*,5′*R*)-2,2′-Dicyclohexyl-5,5′-bis(1,3-dioxolane-4,4′-dione)

Morris Markert, Ingo Buchem, Hannes Krüger and Rainer Mahrwald*

Tetrahedron: Asymmetry *15 (2004) 803*

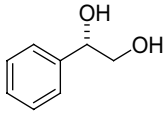


$[\alpha]_D^{25} = -50$ (c 0.8, CH_2Cl_2)
Source of chirality: (*S*,*S*)-tartaric acid
Absolute configuration: 2*S*,2′*S*,5*S*,5′*S*

$C_{12}H_{18}O_6$
(2*S*,2′*S*,5*S*,5′*S*)-2,2′-Diisopropyl-5,5′-bis(1,3-dioxolane-4,4′-dione)

Guang-yin Wang, Jian-bing Hu and Gang Zhao*

Tetrahedron: Asymmetry *15 (2004) 807*

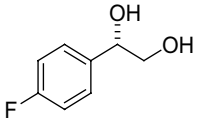


Ee = 96%
$[\alpha]_D^{20} = +66.7$ (c 1.05, $CHCl_3$)
Source of chirality: asymmetric reduction
Absolute configuration: (*S*)

$C_8H_{10}O_2$
1-Phenyl-ethane-1,2-diol

Guang-yin Wang, Jian-bing Hu and Gang Zhao*

Tetrahedron: Asymmetry *15 (2004) 807*

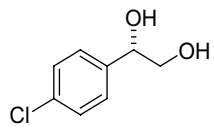


Ee = 97%
$[\alpha]_D^{20} = 57.2$ (c 0.996, $CHCl_3$)
Source of chirality: asymmetric reduction
Absolute configuration: (*S*)

$C_8H_9FO_2$
1-(4-Fluoro-phenyl)-ethane-1,2-diol

Guang-yin Wang, Jian-bing Hu and Gang Zhao*

Tetrahedron: Asymmetry *15 (2004) 807*



$C_8H_9ClO_2$

1-(4-Chloro-phenyl)-ethane-1,2-diol

Ee = 98%

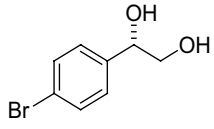
$[\alpha]_D^{22} = +57.8$ (*c* 1.082, $CHCl_3$)

Source of chirality: asymmetric reduction

Absolute configuration: (*S*)

Guang-yin Wang, Jian-bing Hu and Gang Zhao*

Tetrahedron: Asymmetry *15 (2004) 807*



$C_8H_9BrO_2$

1-(4-Bromo-phenyl)-ethane-1,2-diol

Ee = 94%

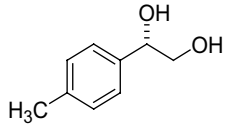
$[\alpha]_D^{17} = +33.3$ (*c* 2.134, acetone)

Source of chirality: asymmetric reduction

Absolute configuration: (*S*)

Guang-yin Wang, Jian-bing Hu and Gang Zhao*

Tetrahedron: Asymmetry *15 (2004) 807*



$C_9H_{12}O_2$

1-*p*-Tolyl-ethane-1,2-diol

Ee = 95%

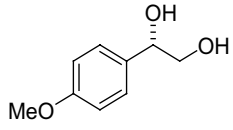
$[\alpha]_D^{16} = +66$ (*c* 0.934, $CHCl_3$)

Source of chirality: asymmetric reduction

Absolute configuration: (*S*)

Guang-yin Wang, Jian-bing Hu and Gang Zhao*

Tetrahedron: Asymmetry *15 (2004) 807*



$C_9H_{12}O_3$

1-(4-Methoxy-phenyl)-ethane-1,2-diol

Ee = 95%

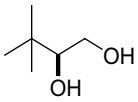
$[\alpha]_D^{16} = +63.1$ (*c* 0.914, $CHCl_3$)

Source of chirality: asymmetric reduction

Absolute configuration: (*S*)

Guang-yin Wang, Jian-bing Hu and Gang Zhao*

Tetrahedron: Asymmetry *15 (2004) 807*

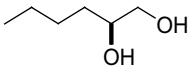


$C_6H_{14}O_2$
3,3-Dimethyl-butane-1,2-diol

Ee = 94%
$[\alpha]_D^{12} = +13.1$ (*c* 0.731, $CHCl_3$)
Source of chirality: asymmetric reduction
Absolute configuration: (*S*)

Guang-yin Wang, Jian-bing Hu and Gang Zhao*

Tetrahedron: Asymmetry *15 (2004) 807*

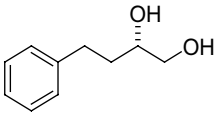


$C_6H_{14}O_2$
1,2-Hexane-diol

Ee = 45%
$[\alpha]_D^{9} = -6.1$ (*c* 1.30, ethanol)
Source of chirality: asymmetric reduction
Absolute configuration: (*S*)

Guang-yin Wang, Jian-bing Hu and Gang Zhao*

Tetrahedron: Asymmetry *15 (2004) 807*

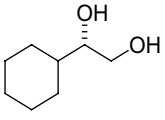


$C_{10}H_{14}O_2$
4-Phenyl-butane-1,2-diol

Ee = 62%
$[\alpha]_D^{17} = -11.3$ (*c* 0.702, ethanol)
Source of chirality: asymmetric reduction
Absolute configuration: (*S*)

Guang-yin Wang, Jian-bing Hu and Gang Zhao*

Tetrahedron: Asymmetry *15 (2004) 807*

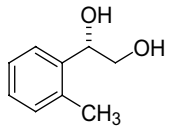


$C_8H_{16}O_2$
cyclo-Hexyl-ethane-1,2-diol

Ee = 86%
$[\alpha]_D^{20} = +4.4$ (*c* 1.068, $CHCl_3$)
Source of chirality: asymmetric reduction
Absolute configuration: (*S*)

Guang-yin Wang, Jian-bing Hu and Gang Zhao*

Tetrahedron: Asymmetry *15 (2004) 807*



$C_9H_{12}O_2$

1-*o*-Tolyl-ethane-1,2-diol

Ee = 75%

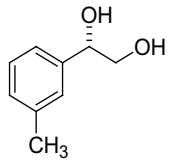
$[\alpha]_D^{20} = +57.9$ (*c* 1.195, $CHCl_3$)

Source of chirality: asymmetric reduction

Absolute configuration: (*S*)

Guang-yin Wang, Jian-bing Hu and Gang Zhao*

Tetrahedron: Asymmetry *15 (2004) 807*



$C_9H_{12}O_2$

1-*m*-Tolyl-ethane-1,2-diol

Ee = 94%

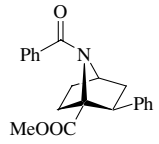
$[\alpha]_D^{20} = +55.2$ (*c* 2.25, $CHCl_3$)

Source of chirality: asymmetric reduction

Absolute configuration: undetermined

Ana M. Gil, Elena Buñuel,* Pilar López and Carlos Cativiela*

Tetrahedron: Asymmetry *15 (2004) 811*



$C_{21}H_{21}NO_3$

Methyl (1*S*,2*S*,4*R*)-*N*-benzoyl-2-phenyl-7-azabicyclo[2.2.1]heptane-1-carboxylate

Ee >98%

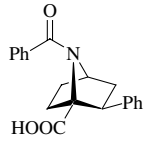
$[\alpha]_D^{25} = +52.9$ (*c* 1.0, $CHCl_3$)

Source of chirality: resolution by chiral HPLC

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

Ana M. Gil, Elena Buñuel,* Pilar López and Carlos Cativiela*

Tetrahedron: Asymmetry *15 (2004) 811*



$C_{20}H_{19}NO_3$

(1*S*,2*S*,4*R*)-*N*-Benzoyl-2-phenyl-7-azabicyclo[2.2.1]heptane-1-carboxylic acid

Ee >98%

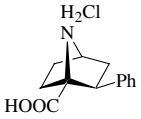
$[\alpha]_D^{25} = +82.6$ (*c* 0.5, $CHCl_3$)

Source of chirality: resolution by chiral HPLC

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

Ana M. Gil, Elena Buñuel,* Pilar López and Carlos Cativiela*

Tetrahedron: Asymmetry *15 (2004) 811*



Ee >98%
$[\alpha]_D^{25} = -23.8$ (c 0.5, $CHCl_3$)
Source of chirality: resolution by chiral HPLC
Absolute configuration: (1*S*,2*S*,4*R*)

$C_{13}H_{16}ClNO_2$

(1*S*,2*S*,4*R*)-2-Phenyl-7-azabicyclo[2.2.1]heptane-1-carboxylic acid hydrochloride

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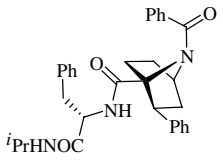
Ana M. Gil, Elena Buñuel,* Pilar López and Carlos Cativiela*

Tetrahedron: Asymmetry *15 (2004) 811*



Ee >98%
$[\alpha]_D^{25} = +96.2$ (c 0.5, $CHCl_3$)
Source of chirality: resolution by chiral HPLC
Absolute configuration: (1*S*,2*S*,4*R*)-(*S*)

$C_{32}H_{35}N_3O_3$

(1*S*,2*S*,4*R*)-*N*-Benzoyl-2-phenyl-7-azabicyclo[2.2.1]heptane-1-carbonyl-(*S*)-*N*′-isopropylphenylalaninamide

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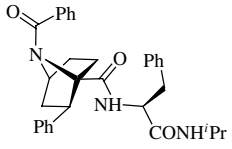
Ana M. Gil, Elena Buñuel,* Pilar López and Carlos Cativiela*

Tetrahedron: Asymmetry *15 (2004) 811*



Ee >98%
$[\alpha]_D^{25} = -44.7$ (c 0.36, $CHCl_3$)
Source of chirality: resolution by chiral HPLC
Absolute configuration: (1*R*,2*R*,4*S*)-(*S*)

$C_{32}H_{35}N_3O_3$

(1*R*,2*R*,4*S*)-*N*-Benzoyl-2-phenyl-7-azabicyclo[2.2.1]heptane-1-carbonyl-(*S*)-*N*′-isopropylphenylalaninamide

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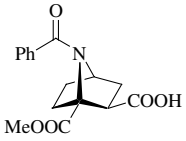
Ana M. Gil, Elena Buñuel,* Pilar López and Carlos Cativiela*

Tetrahedron: Asymmetry *15 (2004) 811*



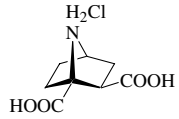
Ee >98%
$[\alpha]_D^{25} = -18.8$ (c 0.5, $CHCl_3$);
$[\alpha]_D^{25} = -24.1$ (c 0.2, MeOH)
Source of chirality: resolution by chiral HPLC
Absolute configuration: (1*S*,2*R*,4*R*)

$C_{16}H_{17}NO_5$

(1*S*,2*R*,4*R*)-*N*-Benzoyl-1-carbomethoxy-7-azabicyclo[2.2.1]heptane-2-carboxylic acid

Ana M. Gil, Elena Buñuel,* Pilar López and Carlos Cativiela*

Tetrahedron: Asymmetry *15 (2004) 811*



Ee >98%
$[\alpha]_D^{25} = -28.0$ (*c* 0.20, H_2O)
Source of chirality: resolution by chiral HPLC
Absolute configuration: (1*S*,2*R*,4*R*)

$C_8H_{12}ClNO_4$
(1*S*,2*R*,4*R*)-7-Azabicyclo[2.2.1]heptane-1,2-dicarboxylic acid hydrochloride

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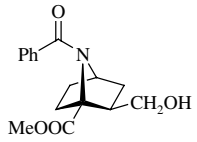
Ana M. Gil, Elena Buñuel,* Pilar López and Carlos Cativiela*

Tetrahedron: Asymmetry *15 (2004) 811*



Ee >98%
$[\alpha]_D^{25} = -40.7$ (*c* 1.0, $CHCl_3$)
Source of chirality: resolution by chiral HPLC
Absolute configuration: (1*S*,2*R*,4*R*)

$C_{16}H_{19}NO_4$
Methyl (1*S*,2*R*,4*R*)-*N*-benzoyl-2-hydroxymethyl-7-azabicyclo[2.2.1]heptane-1-carboxylate

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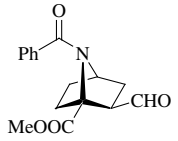
Ana M. Gil, Elena Buñuel,* Pilar López and Carlos Cativiela*

Tetrahedron: Asymmetry *15 (2004) 811*



Ee >98%
$[\alpha]_D^{25} = -7.1$ (*c* 1.0, $CHCl_3$)
Source of chirality: resolution by chiral HPLC
Absolute configuration: (1*S*,2*R*,4*R*)

$C_{16}H_{17}NO_4$
Methyl (1*S*,2*R*,4*R*)-*N*-benzoyl-2-formyl-7-azabicyclo[2.2.1]heptane-1-carboxylate

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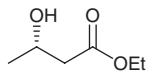
Andrew J. Carnell,* Robert Head, Derek Bassett and Michael Schneider

Tetrahedron: Asymmetry *15 (2004) 821*

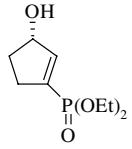


Ee >98%
$[\alpha]_D = -44.5$ (*c* 1, $CHCl_3$)
Source of chirality: stereoinversion of (*R*)-mesylate
Absolute configuration: 3(*S*)

$C_6H_{12}O_3$
Ethyl (*S*)-3-hydroxybutyrate

Mireille Attolini, Gilles Iacazio, Gilbert Peiffer, Yolande Charmasson and Michel Maffei*

Tetrahedron: Asymmetry *15 (2004) 827*

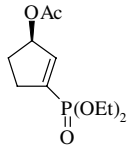


Ee >99% (by HPLC)
$[\alpha]_D^{20} = -49.8$ (*c* 0.47, CH_2Cl_2)
Source of chirality: enzymatic resolution
Absolute configuration: (*S*)

$C_9H_{17}O_4P$
(−)-(3*S*)-Diethyl 3-hydroxy-1-cyclopentenyl phosphonate

Mireille Attolini, Gilles Iacazio, Gilbert Peiffer, Yolande Charmasson and Michel Maffei*

Tetrahedron: Asymmetry *15 (2004) 827*

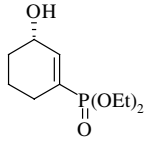


Ee = 84% (by HPLC)
$[\alpha]_D^{20} = +94.1$ (*c* 0.49, CH_2Cl_2)
Source of chirality: enzymatic resolution
Absolute configuration: (*R*)

$C_{11}H_{19}O_5P$
(+)-(3*R*)-Diethyl 3-acetoxy-1-cyclopentenyl phosphonate

Mireille Attolini, Gilles Iacazio, Gilbert Peiffer, Yolande Charmasson and Michel Maffei*

Tetrahedron: Asymmetry *15 (2004) 827*

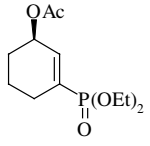


Ee >99% (by HPLC)
$[\alpha]_D^{20} = -34.6$ (*c* 0.50, CH_2Cl_2)
Source of chirality: enzymatic resolution
Absolute configuration: (*S*)

$C_{10}H_{19}O_4P$
(−)-(3*S*)-Diethyl 3-hydroxy-1-cyclohexenyl phosphonate

Mireille Attolini, Gilles Iacazio, Gilbert Peiffer, Yolande Charmasson and Michel Maffei*

Tetrahedron: Asymmetry *15 (2004) 827*

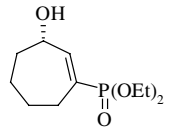


Ee >99% (by HPLC)
$[\alpha]_D^{20} = +91.3$ (*c* 0.51, CH_2Cl_2)
Source of chirality: enzymatic resolution
Absolute configuration: (*R*)

$C_{12}H_{21}O_5P$
(+)-(3*R*)-Diethyl 3-acetoxy-1-cyclohexenyl phosphonate

Mireille Attolini, Gilles Iacazio, Gilbert Peiffer, Yolande Charmasson and Michel Maffei*

Tetrahedron: Asymmetry *15 (2004) 827*

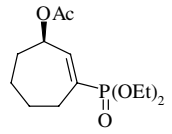


Ee >99% (by HPLC)
$[\alpha]_D^{20} = +9.9$ (*c* 0.49, CH_2Cl_2)
Source of chirality: enzymatic resolution
Absolute configuration: (*S*)

$C_{11}H_{21}O_4P$
(+)-(3*S*)-Diethyl 3-hydroxy-1-cycloheptenyl phosphonate

Mireille Attolini, Gilles Iacazio, Gilbert Peiffer, Yolande Charmasson and Michel Maffei*

Tetrahedron: Asymmetry *15 (2004) 827*

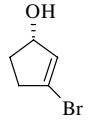


Ee >99% (by HPLC)
$[\alpha]_D^{20} = +15.5$ (*c* 0.50, CH_2Cl_2)
Source of chirality: enzymatic resolution
Absolute configuration: (*R*)

$C_{13}H_{23}O_5P$
(+)-(3*R*)-Diethyl 3-acetoxy-1-cycloheptenyl phosphonate

Mireille Attolini, Gilles Iacazio, Gilbert Peiffer, Yolande Charmasson and Michel Maffei*

Tetrahedron: Asymmetry *15 (2004) 827*

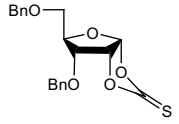


Ee = 61% (by correlation)
$[\alpha]_D^{20} = -38.4$ (*c* 0.59, CH_2Cl_2)
Source of chirality: enzymatic resolution
Absolute configuration: (*S*)

C_5H_7BrO
(−)-(3*S*)-3-Bromo-1-cyclopentenol

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*



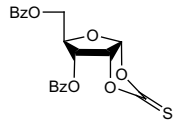
$[\alpha]_D^{23} = +200$ (*c* 1, CH_2Cl_2)

$C_{20}H_{20}O_5S$
3,5-Di-*O*-benzyl-1,2-*O*-thiocarbonyl-α-D-*ribo*-furanose

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*

$[\alpha]_D^{23} = +170$ (c 1, CH_2Cl_2)



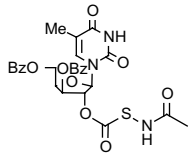
$C_{20}H_{16}O_7S$

3,5-Di-*O*-benzoyl-1,2-*O*-thiocarbonyl-α-D-*ribo*-furanose

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*

$[\alpha]_D^{23} = +164$ (c 1, CH_2Cl_2)



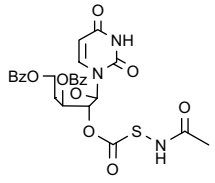
$C_{27}H_{25}N_3O_{10}S$

1-(2′-*O*-Acetamidomercaptocarbonyl-3′,5′-di-*O*-benzoyl-β-D-*xylo*-furanosyl)thymine

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*

$[\alpha]_D^{23} = +147$ (c 1, CH_2Cl_2)



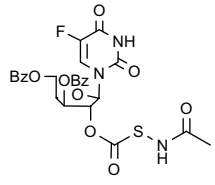
$C_{26}H_{23}N_3O_{10}S$

1-(2′-*O*-Acetamidomercaptocarbonyl-3′,5′-di-*O*-benzoyl-β-D-*xylo*-furanosyl)uracil

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*

$[\alpha]_D^{23} = +156$ (c 1, CH_2Cl_2)

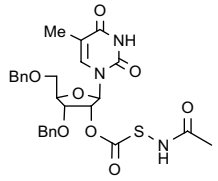


$C_{26}H_{22}N_3O_{10}FS$

1-(2′-*O*-Acetamidomercaptocarbonyl-3′,5′-di-*O*-benzoyl-β-D-*xylo*-furanosyl)-5-fluoruracil

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*



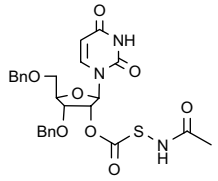
$[\alpha]_D^{23} = +67$ (c 1, CH_2Cl_2)

$C_{27}H_{29}N_3O_8S$

1-(2′-*O*-Acetamidomercaptocarbonyl-3′,5′-di-*O*-benzyl-β-D-*ribo*-furanosyl)thymine

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*



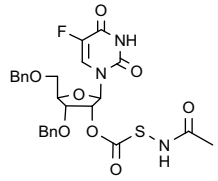
$[\alpha]_D^{23} = +92$ (c 1, CH_2Cl_2)

$C_{26}H_{27}N_3O_8S$

1-(2′-*O*-Acetamidomercaptocarbonyl-3′,5′-di-*O*-benzyl-β-D-*ribo*-furanosyl)uracil

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*



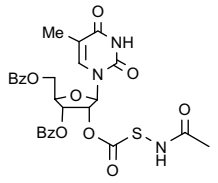
$[\alpha]_D^{23} = +98$ (c 1, CH_2Cl_2)

$C_{26}H_{26}N_3O_8FS$

1-(2′-*O*-Acetamidomercaptocarbonyl-3′,5′-di-*O*-benzyl-β-D-*ribo*-furanosyl)-5-fluoruracil

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*



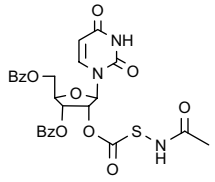
$[\alpha]_D^{23} = -59$ (c 1, CH_2Cl_2)

$C_{27}H_{25}N_3O_{10}S$

1-(2′-*O*-Acetamidomercaptocarbonyl-3′,5′-di-*O*-benzoyl-β-D-*ribo*-furanosyl)thymine

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*



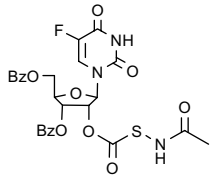
Mp 171–172 °C
$[\alpha]_D^{23} = -43$ (*c* 1, CH_2Cl_2)

$C_{26}H_{23}N_3O_{10}S$

1-(2′-*O*-Acetamidomercaptocarbonyl-3′,5′-di-*O*-benzoyl-β-D-*ribo*-furanosyl)uracil

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*



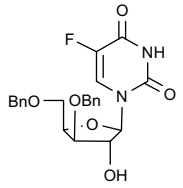
Mp 202–203 °C
$[\alpha]_D^{23} = -32$ (*c* 1, CH_2Cl_2)

$C_{26}H_{22}N_3O_{10}FS$

1-(2′-*O*-Acetamidomercaptocarbonyl-3′,5′-di-*O*-benzoyl-β-D-*ribo*-furanosyl)-5-fluorouracil

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*



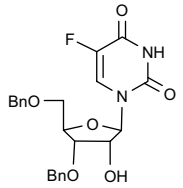
Mp 103–104 °C
$[\alpha]_D^{23} = -4$ (*c* 6, CH_2Cl_2)

$C_{23}H_{23}N_2O_6F$

1-(3′,5′-Di-*O*-benzyl-β-D-*xylo*-furanosyl)-5-fluoruracil

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*



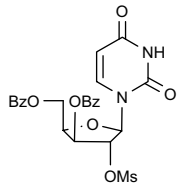
$[\alpha]_D^{23} = +19$ (*c* 1, CH_2Cl_2)

$C_{23}H_{23}N_2O_6F$

1-(3′,5′-Di-*O*-benzyl-β-D-*ribo*-furanosyl)-5-fluoruracil

Rafael Robles,* Concepción Rodríguez, Luis Álvarez de Cienfuegos and Antonio J. Mota

Tetrahedron: Asymmetry *15 (2004) 831*

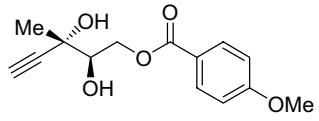


Mp 63–64 °C
$[\alpha]_D^{23} = +64$ (*c* 1, acetone)

$C_{24}H_{22}N_2O_{10}S$
1-(3′,5′-Di-*O*-benzoyl-2′-*O*-mesyl-β-D-*xylo*-furanosyl)uracil

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

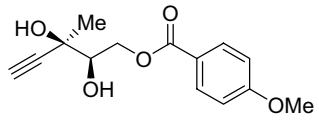


Ee = 95%
$[\alpha]_D^{24} = +32.9$ (*c* 0.37, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*R*,3*S*

$C_{14}H_{16}O_5$
(2*R*,3*S*)-2,3-Dihydroxy-3-methylpent-4-yn-1-yl *p*-methoxybenzoate

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

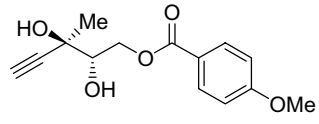


Ee = 94%
$[\alpha]_D^{24} = +29.9$ (*c* 1.27, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*R*,3*R*

$C_{14}H_{16}O_5$
(2*R*,3*R*)-2,3-Dihydroxy-3-methylpent-4-yn-1-yl *p*-methoxybenzoate

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

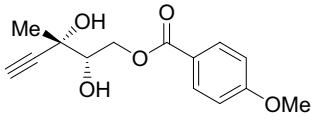


Ee = 87%
$[\alpha]_D^{24} = -25.6$ (*c* 0.42, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*S*,3*R*

$C_{14}H_{16}O_5$
(2*S*,3*R*)-2,3-Dihydroxy-3-methylpent-4-yn-1-yl *p*-methoxybenzoate

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

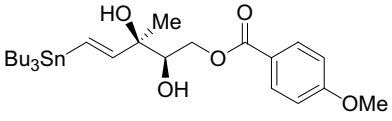


Ee = 96%
$[\alpha]_D^{24} = -28.7$ (*c* 0.74, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*S*,3*S*

$C_{14}H_{16}O_5$
(2*S*,3*S*)-2,3-Dihydroxy-3-methylpent-4-yn-1-yl *p*-methoxybenzoate

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

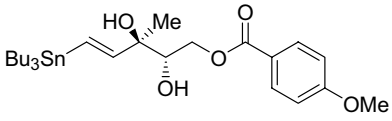


$[\alpha]_D^{24} = +12.5$ (*c* 0.008, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*R*,3*R*,4*E*

$C_{16}H_{44}O_5Sn$
(2*R*,3*R*,4*E*)-2,3-Dihydroxy-3-methyl-5-(tri-*n*-butylstannyl)-pent-4-yn-1-yl *p*-methoxybenzoate

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

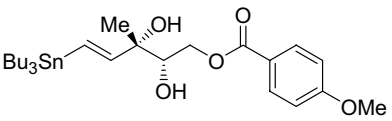


$[\alpha]_D^{24} = -14.8$ (*c* 0.027, MeOH).
Source of chirality: asymmetric synthesis
Absolute configuration: 2*S*,3*R*,4*E*

$C_{26}H_{44}O_5Sn$
(2*S*,3*R*,4*E*)-2,3-Dihydroxy-3-methyl-5-(tri-*n*-butylstannyl)-pent-4-yn-1-yl *p*-methoxybenzoate

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

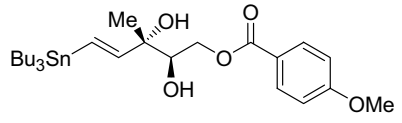


$[\alpha]_D^{24} = -24.9$ (*c* 0.15, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*S*,3*S*,4*E*

$C_{26}H_{44}O_5Sn$
(2*S*,3*S*,4*E*)-2,3-Dihydroxy-3-methyl-5-(tri-*n*-butylstannyl)-pent-4-yn-1-yl *p*-methoxybenzoate

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*



$[\alpha]_D^{24} = +20.8$ (*c* 0.24, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: 2*R*,3*S*,4*E*

$C_{26}H_{44}O_5Sn$
(2*R*,3*S*,4*E*)-2,3-Dihydroxy-3-methyl-5-(tri-*n*-butylstannyl)-pent-4-yn-1-yl *p*-methoxybenzoate

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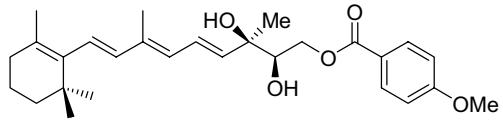
Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

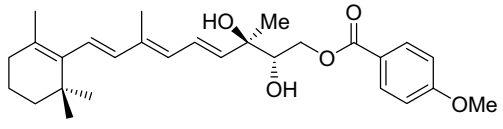


Ee = 94%
$[\alpha]_D^{24} = +14.9$ (*c* 0.003, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: 13*R*,14*R*

$C_{28}H_{38}O_5$
(13*R*,14*R*)-13,14-Dihydroxyretinol *p*-methoxybenzoate

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

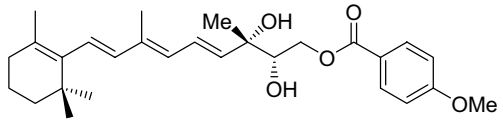


Ee = 88%
$[\alpha]_D^{24} = -22.7$ (*c* 0.022, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: 13*R*,14*S*

$C_{28}H_{38}O_5$
(13*R*,14*S*)-13,14-Dihydroxyretinol *p*-methoxybenzoate

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

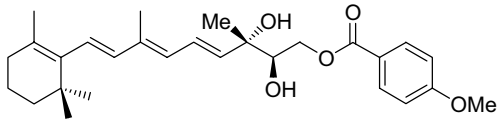


Ee = 96%
$[\alpha]_D^{24} = -16.6$ (*c* 0.036, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: 13*S*,14*S*

$C_{28}H_{38}O_5$
(13*S*,14*S*)-13,14-Dihydroxyretinol *p*-methoxybenzoate

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

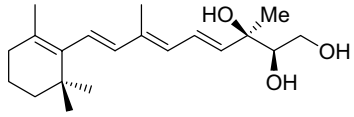


$C_{28}H_{38}O_5$
(13*S*,14*R*)-13,14-Dihydroxyretinol *p*-methoxybenzoate

Ee = 94%
$[\alpha]_D^{24} = +27.7$ (*c* 0.018, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: 13*S*,14*R*

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

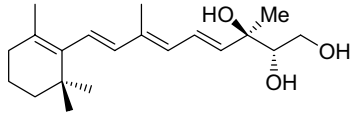


$C_{20}H_{32}O_3$
(13*R*,14*R*)-13,14-Dihydroxyretinol

$[\alpha]_D^{24} = -11.5$ (*c* 0.026, MeOH).
Source of chirality: asymmetric synthesis
Absolute configuration: 13*R*,14*R*

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

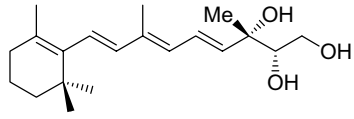


$C_{20}H_{32}O_3$
(13*R*,14*S*)-13,14-Dihydroxyretinol

$[\alpha]_D^{24} = +9.9$ (*c* 0.04, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: 13*R*,14*S*

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*

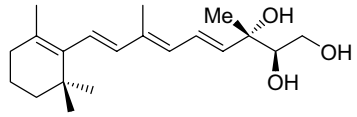


$C_{20}H_{32}O_3$
(13*S*,14*S*)-13,14-Dihydroxyretinol

$[\alpha]_D^{24} = +14.3$ (*c* 0.06, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: 13*S*,14*S*

Susana Alvarez, Rosana Alvarez and Angel R. de Lera*

Tetrahedron: Asymmetry *15 (2004) 839*



$C_{20}H_{32}O_3$

(13*S*,14*R*)-13,14-Dihydroxyretinol

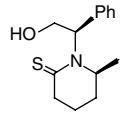
$[\alpha]_D^{24} = -13.3$ (*c* 0.03, MeOH)

Source of chirality: asymmetric synthesis

Absolute configuration: 13*S*,14*R*

Luis F. Roa, Dino Gnecco,* Alberto Galindo, Joel L. Terán and Sylvain Bernès

Tetrahedron: Asymmetry *15 (2004) 847*



2a

$C_{14}H_{19}NOS$

(1′*R*,6*S*)-(−)-1-(2′-Hydroxy-1′-phenyl-ethyl)-6-methyl-piperidine-2-thione

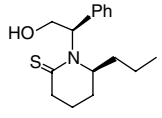
White solid

$[\alpha]_D^{20} = -172.2$ (*c* 1.1, CH_2Cl_2)

Mp = 107–110 °C

Luis F. Roa, Dino Gnecco,* Alberto Galindo, Joel L. Terán and Sylvain Bernès

Tetrahedron: Asymmetry *15 (2004) 847*



3a

$C_{16}H_{23}NOS$

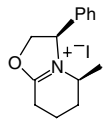
(1′*R*,6*S*)-(−)-1-(2′-Hydroxy-1′-phenyl-ethyl)-6-*n*-propylpiperidine-2-thione

Yellow oil

$[\alpha]_D^{20} = -107.2$ (*c* 3.9, CH_2Cl_2)

Luis F. Roa, Dino Gnecco,* Alberto Galindo, Joel L. Terán and Sylvain Bernès

Tetrahedron: Asymmetry *15 (2004) 847*



4

$C_{14}H_{18}INO$

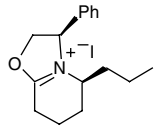
(3*R*,5*S*)-(−)-5-Methyl-3-phenyl-2,3,5,6,7,8-hexahydro-oxazolo[3,2-*a*]pyridin-4-ylium iodide

Yellow oil

$[\alpha]_D^{20} = +11.8$ (*c* 1.0, MeOH)

Luis F. Roa, Dino Gnecco,* Alberto Galindo, Joel L. Terán and Sylvain Bernès

Tetrahedron: Asymmetry *15 (2004) 847*



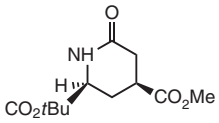
5

Yellow oil
$[\alpha]_D^{20} = +9.2$ (*c* 1.0, MeOH)

$C_{16}H_{22}INO$
(3*R*,5*S*)-(−)-5-Propyl-3-phenyl-2,3,5,6,7,8-hexahydro-oxazolo[3,2-*a*]pyridin-4-ylium iodide

Johny Wehbe, Valérie Rolland,* Alain Fruchier, Marie-Louise Roumestant and Jean Martinez

Tetrahedron: Asymmetry *15 (2004) 851*

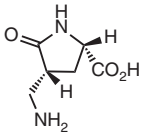


Ee = 99.0%
$[\alpha]_D^{20} = -4.2$ (*c* 5.7, C_6D_6)
Source of chirality: (1*R*,2*R*,5*R*)
Absolute configuration: (2*S*,4*S*)

$C_{12}H_{18}O_5N$
2-Hydroxypinan-3-one

Johny Wehbe, Valérie Rolland,* Alain Fruchier, Marie-Louise Roumestant and Jean Martinez

Tetrahedron: Asymmetry *15 (2004) 851*

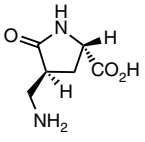


Ee = 99.0%
$[\alpha]_D^{20} = -11.2$ (*c* 13.2, CD_3OD)
Source of chirality: (1*R*,2*R*,5*R*)
Absolute configuration: (2*S*,4*S*)

$C_6H_{12}O_4N$
2-Hydroxypinan-3-one

Johny Wehbe, Valérie Rolland,* Alain Fruchier, Marie-Louise Roumestant and Jean Martinez

Tetrahedron: Asymmetry *15 (2004) 851*

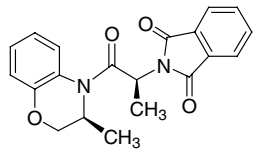


Ee = 99.0%
$[\alpha]_D^{20} = +47.3$ (*c* 5.2, CD_3OD)
Source of chirality: (1*R*,2*R*,5*R*)
Absolute configuration: (2*S*,4*R*)

$C_6H_{12}O_4N$
2-Hydroxypinan-3-one

Victor P. Krasnov,* Galina L. Levit, Mikhail I. Kodess, Valery N. Charushin and Oleg N. Chupakhin

Tetrahedron: Asymmetry *15 (2004) 859*



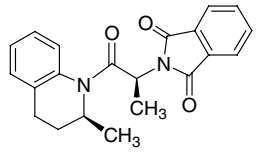
De = 99.8% (by HPLC)
$[\alpha]_D^{20} = +331$ (*c* 1.3, benzene)
Source of chirality: resolution
Absolute configuration: (2*S*,3′*S*)

$C_{20}H_{18}N_2O_4$

N-[*N*′-Phthaloyl-(2*S*)-alanyl]-(3*S*)-2,3-dihydro-3-methyl-4*H*-1,4-benzoxazine

Victor P. Krasnov,* Galina L. Levit, Mikhail I. Kodess, Valery N. Charushin and Oleg N. Chupakhin

Tetrahedron: Asymmetry *15 (2004) 859*



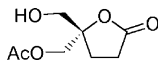
De = 99.7% (by HPLC)
$[\alpha]_D^{20} = +461$ (*c* 1.45, benzene)
Source of chirality: resolution
Absolute configuration: (2*S*,2′*S*)

$C_{21}H_{20}N_2O_3$

N-[*N*′-Phthaloyl-(2*S*)-alanyl]-(3*S*)-2,3-methyl-1,2,3,4-tetrahydroquinoline

Robert Chênevert,* Daniel Duguay, Florence Touraille and Dave Caron

Tetrahedron: Asymmetry *15 (2004) 863*



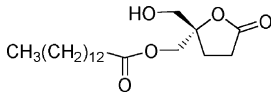
Ee = 96%
$[\alpha]_D^{22} = -27.7$ (*c* 0.96, C_6H_6)
Source of chirality: enzymatic desymmetrization
Absolute configuration: *S*

$C_8H_{12}O_5$

(*S*)-5-[(Acetyloxy)methyl]-5-(hydroxymethyl)tetrahydro-2-furanone

Robert Chênevert,* Daniel Duguay, Florence Touraille and Dave Caron

Tetrahedron: Asymmetry *15 (2004) 863*



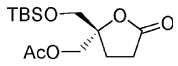
Ee ⩾ 99%
$[\alpha]_D^{22} = -16.0$ (*c* 1.32, C_6H_6)
Source of chirality: enzymatic desymmetrization
Absolute configuration: *S*

$C_{20}H_{36}O_5$

(*S*)-5-[(Tetradecanoyloxy)methyl]-5-(hydroxymethyl)tetrahydro-2-furanone

Robert Chênevert,* Daniel Duguay, Florence Touraille and Dave Caron

Tetrahedron: Asymmetry *15 (2004) 863*



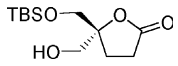
Ee = 96%
$[\alpha]_D^{22} = -17.9$ (*c* 1.34, C_6H_6)
Source of chirality: enzymatic desymmetrization
Absolute configuration: *R*

$C_{14}H_{26}O_5Si$

(*S*)-5-[(Acetyloxy)methyl]-5-[(*tert*-butyldimethylsiloxy)methyl]tetrahydro-2-furanone

Robert Chênevert,* Daniel Duguay, Florence Touraille and Dave Caron

Tetrahedron: Asymmetry *15 (2004) 863*



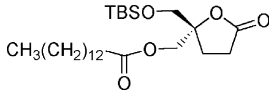
Ee = 96%
$[\alpha]_D^{22} = -1.1$ (*c* 1.07, C_6H_6)
Source of chirality: enzymatic desymmetrization
Absolute configuration: *R*

$C_{12}H_{24}O_4Si$

(*S*)-5-[(*tert*-Butyldimethylsiloxy)methyl]-5-(hydroxymethyl)tetrahydro-2-furanone

Robert Chênevert,* Daniel Duguay, Florence Touraille and Dave Caron

Tetrahedron: Asymmetry *15 (2004) 863*



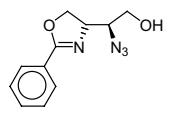
Ee = 96%
$[\alpha]_D^{22} = -11.6$ (*c* 1.18, C_6H_6)
Source of chirality: enzymatic desymmetrization
Absolute configuration: *R*

$C_{26}H_{50}O_5Si$

(*S*)-5-[(*tert*-Butyldimethylsiloxy)methyl]-5[(tetradecanoyloxy)methyl]tetrahydro-2-furanone

Andreas Scheurer,* Walter Bauer, Frank Hampel, Christine Schmidt, Rolf W. Saalfrank,* Paul Mosset,* Ralph Puchta and Nico J. R. van Eikema Hommes

Tetrahedron: Asymmetry *15 (2004) 867*



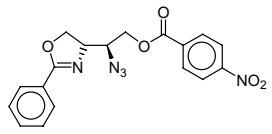
$[\alpha]_D^{25} = -105$ (*c* 1.6, $CHCl_3$)
Source of chirality: L-tartaric acid
Absolute configuration: (2*S*,4*S*)

$C_{11}H_{12}N_4O_2$

(2*S*)-Azido-2-[2-phenyl-4,5-dihydro-oxazol-(4*S*)-yl]-ethanol

Andreas Scheurer,* Walter Bauer, Frank Hampel, Christine Schmidt, Rolf W. Saalfrank,* Paul Mosset,* Ralph Puchta and Nico J. R. van Eikema Hommes

Tetrahedron: Asymmetry *15 (2004) 867*



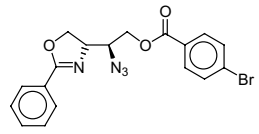
$[\alpha]_D^{25} = -12.6$ (c 1.5, $CHCl_3$)
Source of chirality: L-tartaric acid
Absolute configuration: (2*S*,4*S*)

$C_{18}H_{15}N_5O_5$

p-Nitro-benzoic acid (2*S*)-azido-2-[2-phenyl-4,5-dihydro-oxazol-(4*S*)-yl]-ethyl ester

Andreas Scheurer,* Walter Bauer, Frank Hampel, Christine Schmidt, Rolf W. Saalfrank,* Paul Mosset,* Ralph Puchta and Nico J. R. van Eikema Hommes

Tetrahedron: Asymmetry *15 (2004) 867*



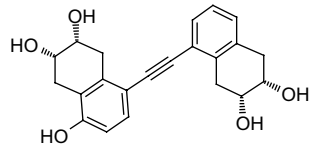
$[\alpha]_D^{25} = -14.5$ (c 2.5, $CHCl_3$)
Source of chirality: L-tartaric acid
Absolute configuration: (2*S*,4*S*)

$C_{18}H_{15}N_4O_3Br$

p-Bromo-benzoic acid (2*S*)-azido-2-[2-phenyl-4,5-dihydro-oxazol-(4*S*)-yl]-ethyl ester

Thomas G. Back,* Michael A. Bey, Masood Parvez and Richard P. Pharis

Tetrahedron: Asymmetry *15 (2004) 873*



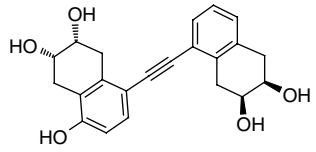
$[\alpha]_D^{22} = +93.5$ (c 0.20, CH_3OH)
Source of chirality: resolution of an intermediate
Absolute configuration: (6*S*,7*R*,6′*S*,7′*R*)

$C_{22}H_{22}O_5$

(6*S*,7*R*,6′*S*,7′*R*)-1-[1-(4,6,7-Trihydroxy-5,6,7,8-tetrahydronaphthyl)]-2-[1′-(6′,7′-dihydroxy-5′,6′,7′,8′-tetrahydronaphthyl)]-ethyne

Thomas G. Back,* Michael A. Bey, Masood Parvez and Richard P. Pharis

Tetrahedron: Asymmetry *15 (2004) 873*



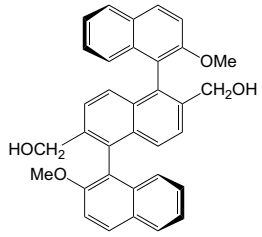
$[\alpha]_D^{22} = +4.2$ (c 0.10, CH_3OH)
Source of chirality: resolution of an intermediate
Absolute configuration: (6*S*,7*R*,6′*S*,7′*R*)

$C_{22}H_{22}O_5$

(6*S*,7*R*,6′*R*,7′*S*)-1-[1-(4,6,7-Trihydroxy-5,6,7,8-tetrahydronaphthyl)]-2-[1′-(6′,7′-dihydroxy-5′,6′,7′,8′-tetrahydronaphthyl)]-ethyne

Tetsutaro Hattori,* Hiroaki Iwato, Koichi Natori and Sotaro Miyano

Tetrahedron: Asymmetry *15 (2004) 881*



Ee = 100%
$[\alpha]_D^{26} = -23.2$ (c 0.10, $CHCl_3$)
Absolute configuration: (S_a,S_a)

$C_{34}H_{28}O_4$
(S_a,S_a)-2′,6′-Dihydroxymethyl-2,2″-dimethoxy-1,1′:5′,1″-ternaphthalene

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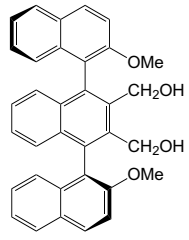
Tetsutaro Hattori,* Hiroaki Iwato, Koichi Natori and Sotaro Miyano

Tetrahedron: Asymmetry *15 (2004) 881*



Ee = 100%
$[\alpha]_D^{25} = +16.9$ (c 0.40, $CHCl_3$)
Absolute configuration: (S_a,S_a)

$C_{34}H_{28}O_4$
(S_a,S_a)-2′,3′-Dihydroxymethyl-2,2″-dimethoxy-1,1′:4′,1″-ternaphthalene

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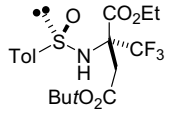
Francesco Lazzaro, Marcello Crucianelli,* Francesco De Angelis, Massimo Frigerio, Luciana Malpezzi, Alessandro Volonterio and Matteo Zanda*

Tetrahedron: Asymmetry *15 (2004) 889*



Ee = 97%
$[\alpha]_D^{20} = -5.3$ ($c = 0.43$, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: ($2R$,R_S)

$C_{18}H_{24}F_3NO_5S$
($2R$,R_S)-4-*tert*-Butyl 1-ethyl *N*-[(4-methylphenyl)sulfinyl]-2-(trifluoromethyl)aspartate

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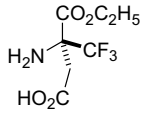
Francesco Lazzaro, Marcello Crucianelli,* Francesco De Angelis, Massimo Frigerio, Luciana Malpezzi, Alessandro Volonterio and Matteo Zanda*

Tetrahedron: Asymmetry *15 (2004) 889*

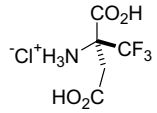


Ee = 97%
$[\alpha]_D^{20} = +22.4$ ($c = 0.52$, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (S)

$C_7H_{10}F_3NO_4$
(S)-α-Trifluoromethyl aspartic acid α-carboxy ethyl ester

Francesco Lazzaro, Marcello Crucianelli,* Francesco De Angelis, Massimo Frigerio, Luciana Malpezzi, Alessandro Volonterio and Matteo Zanda*

Tetrahedron: Asymmetry *15 (2004) 889*



$C_5H_7ClF_3NO_4$

(*S*)-α-Trifluoromethyl aspartic acid hydrochloride

Ee = 97%

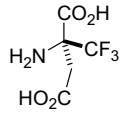
$[\alpha]_D^{20} = +23.5$ ($c = 0.25$, H_2O)

Source of chirality: asymmetric synthesis

Absolute configuration: (*S*)

Francesco Lazzaro, Marcello Crucianelli,* Francesco De Angelis, Massimo Frigerio, Luciana Malpezzi, Alessandro Volonterio and Matteo Zanda*

Tetrahedron: Asymmetry *15 (2004) 889*



$C_5H_6F_3NO_4$

(*S*)-α-Trifluoromethyl aspartic acid

Ee = 97%

$[\alpha]_D^{20} = +23.5$ ($c = 0.17$, H_2O)

Source of chirality: asymmetric synthesis

Absolute configuration: (*S*)

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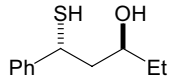
Tetrahedron: Asymmetry *15 (2004) 895*



$C_{11}H_{16}OS$

(1*R*,3*S*)-1-Mercapto-1-phenyl-3-pentanol

$[\alpha]_D^{23} = +120.9$ (c 0.88, $CHCl_3$)

99% ee

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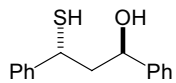
Tetrahedron: Asymmetry *15 (2004) 895*



$C_{15}H_{16}OS$

(1*R*,3*R*)-3-Mercapto-1,3-diphenyl-1-propanol

$[\alpha]_D^{25} = +105.7$ (c 0.77, $CHCl_3$)

99% ee