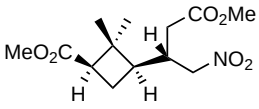
Albertina G. Moglioni,* Beatriz N. Brousse, Angel Álvarez-Larena, Graciela Y. Moltrasio and Rosa M. Ortuño*

Tetrahedron: Asymmetry *13 (2002) 451*

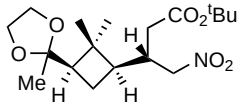


E.e. = 95%
$[\alpha]_D = -8.75$ (*c* 1.60, $CHCl_3$)
Source of chirality: (−)-*S*-verbenone
Absolute configuration: 3*S*,1′*R*,3′*R*

$C_{13}H_{21}NO_6$
Methyl (−)-3-[2″,2′-dimethyl-3′-methoxycarbonylcyclobutyl]-4-nitrobutanoate

Albertina G. Moglioni,* Beatriz N. Brousse, Angel Álvarez-Larena, Graciela Y. Moltrasio and Rosa M. Ortuño*

Tetrahedron: Asymmetry *13 (2002) 451*

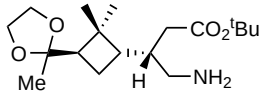


E.e. = 95%
$[\alpha]_D = -10.6$ (*c* 1.23, MeOH)
Source of chirality: (−)-(*S*)-verbenone
Absolute configuration: 3*S*,1′*R*,3′*R*

$C_{18}H_{31}NO_6$
t-Butyl (−)-3-[2′,2′-dimethyl-3′-(2-methyl-1,3-dioxolan-2-yl)cyclobutyl]-4-nitrobutanoate

Albertina G. Moglioni,* Beatriz N. Brousse, Angel Álvarez-Larena, Graciela Y. Moltrasio and Rosa M. Ortuño*

Tetrahedron: Asymmetry *13 (2002) 451*

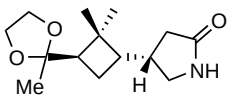


E.e. = 95%
$[\alpha]_{285} = -3.3$ (*c* 0.90, MeOH)
Source of chirality: (−)-(*S*)-verbenone
Absolute configuration: 3*S*,1′*R*,3′*R*

$C_{18}H_{33}NO_4$
t-Butyl (−)-3-[2′,2′-dimethyl-3′-(2-methyl-1,3-dioxolan-2-yl)cyclobutyl]-4-aminobutanoate

Albertina G. Moglioni,* Beatriz N. Brousse, Angel Álvarez-Larena, Graciela Y. Moltrasio and Rosa M. Ortuño*

Tetrahedron: Asymmetry *13 (2002) 451*



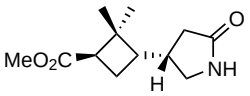
E.e. = 95%
$[\alpha]_D = -15.4$ (*c* 0.65, $CHCl_3$)
Source of chirality: (−)-*S*-verbenone
Absolute configuration: 4*S*,1′*R*,3′*R*

$C_{14}H_{23}NO_3$
(−)-4-[2′,2′-Dimethyl-3′-(2-methyl-1,3-dioxolan-2-yl)cyclobutyl]-pyrrolidin-2-one

Albertina G. Moglioni,* Beatriz N. Brousse, Angel Álvarez-Larena, Graciela Y. Moltrasio and Rosa M. Ortuño*

Tetrahedron: Asymmetry *13 (2002) 451*

E.e. = 95%
$[\alpha]_D = -17.0$ (*c* 1.00, $CHCl_3$)
Source of chirality: (−)-(*S*)-verbenone
Absolute configuration: 4*S*,1′*R*,3′*R*



$C_{12}H_{19}NO_3$
(−)-4-(2′,2′-Dimethyl-3′-methoxycarbonylcyclobutyl)-pyrrolidin-2-one

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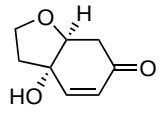
Mariona Cantó, Pedro de March,* Marta Figueredo, Josep Font, Sonia Rodríguez, Angel Álvarez-Larena and Juan F. Piniella

Tetrahedron: Asymmetry *13 (2002) 455*

E.e. = 85%
$[\alpha]_D^{20} = +48.6$ (*c* 0.3, MeOH)
Source of chirality: (*R*,*R*)-1,2-diphenyl ethanediol
Absolute configuration: 3a*S*,7a*S*



$C_8H_{10}O_3$
(3a*S*,7a*S*)-3a-Hydroxy-3,3a,7,7a-tetrahydrobenzofuran-6(2*H*)-one

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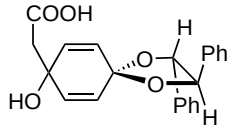
Mariona Cantó, Pedro de March,* Marta Figueredo, Josep Font, Sonia Rodríguez, Angel Álvarez-Larena and Juan F. Piniella

Tetrahedron: Asymmetry *13 (2002) 455*

E.e. = 100%
$[\alpha]_D^{20} = +14.8$ (*c* 1.2, $CHCl_3$)
Source of chirality: (*R*,*R*)-1,2-diphenyl ethanediol
Absolute configuration: 2*R*,3*R*



$C_{22}H_{20}O_5$
2-[(2*R*,3*R*)-2,3-Diphenyl-8-hydroxy-1,4-dioxaspiro[4.5]deca-6,9-dien-8-yl]acetic acid

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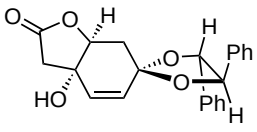
Mariona Cantó, Pedro de March,* Marta Figueredo, Josep Font, Sonia Rodríguez, Angel Álvarez-Larena and Juan F. Piniella

Tetrahedron: Asymmetry *13 (2002) 455*

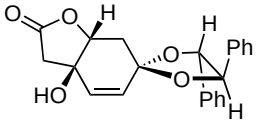
D.e. >95%
$[\alpha]_D^{20} = +15.6$ (*c* 1.0, $CHCl_3$)
Source of chirality: (*R*,*R*)-1,2-diphenyl ethanediol
Absolute configuration: 3a*S*,7a*S*,4′*R*,5′*R*



$C_{22}H_{20}O_5$
(3a*S*,7a*S*,4′*R*,5′*R*)-4′,5′-Diphenyl-3a-hydroxy-3,3a,7,7a-tetrahydrospiro[benzofuro-6(2*H*),2′-[1,3]dioxolan]-2-one

Mariona Cantó, Pedro de March,* Marta Figueredo, Josep Font, Sonia Rodríguez, Angel Álvarez-Larena and Juan F. Piniella

Tetrahedron: Asymmetry *13 (2002) 455*

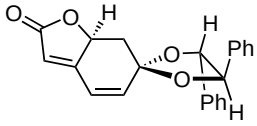


D.e. = 85%
$[\alpha]_D^{20} = +18.0$ (*c* 1.0, $CHCl_3$)
Source of chirality: (*R*,*R*)-1,2-diphenyl ethanediol
Absolute configuration: 3a*R*,7a*R*,4′*R*,5′*R*

$C_{22}H_{20}O_5$
(3a*R*,7a*R*,4′*R*,5′*R*)-4′,5′-Diphenyl-3a-hydroxy-3,3a,7,7a-tetrahydrospiro[benzofuro-6(2*H*),2′-[1,3]dioxolan]-2-one

Mariona Cantó, Pedro de March,* Marta Figueredo, Josep Font, Sonia Rodríguez, Angel Álvarez-Larena and Juan F. Piniella

Tetrahedron: Asymmetry *13 (2002) 455*

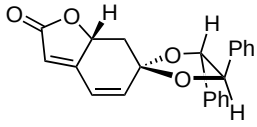


D.e. >95%
$[\alpha]_D^{20} = -96.6$ (*c* 4.7, $CHCl_3$)
Source of chirality: (*R*,*R*)-1,2-diphenyl ethanediol
Absolute configuration: 7a*S*,4′*R*,5′*R*

$C_{22}H_{18}O_4$
(7a*S*,4′*R*,5′*R*)-4′,5′-Diphenyl-7,7a-dihydrospiro[benzofuro-6(2*H*),2′-[1,3]dioxolan]-2-one

Mariona Cantó, Pedro de March,* Marta Figueredo, Josep Font, Sonia Rodríguez, Angel Álvarez-Larena and Juan F. Piniella

Tetrahedron: Asymmetry *13 (2002) 455*

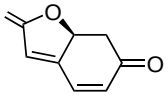


D.e. = 85%
$[\alpha]_D^{20} = +222.8$ (*c* 4.3, $CHCl_3$)
Source of chirality: (*R*,*R*)-1,2-diphenyl ethanediol
Absolute configuration: 7a*R*,4′*R*,5′*R*

$C_{22}H_{18}O_4$
(7a*R*,4′*R*,5′*R*)-4′,5′-Diphenyl-7,7a-dihydrospiro[benzofuro-6(2*H*),2′-[1,3]dioxolan]-2-one

Mariona Cantó, Pedro de March,* Marta Figueredo, Josep Font, Sonia Rodríguez, Angel Álvarez-Larena and Juan F. Piniella

Tetrahedron: Asymmetry *13 (2002) 455*

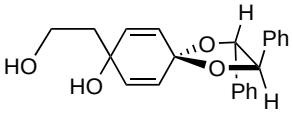


E.e. >95%
$[\alpha]_D^{20} = -207.4$ (*c* 1.2, acetone)
Source of chirality: (*R*,*R*)-1,2-diphenyl ethanediol
Absolute configuration: *S*

$C_8H_6O_3$
(*S*)-6-Oxo-7,7a-dihydrobenzofuran-2(6*H*)-one

Mariona Cantó, Pedro de March,* Marta Figueredo, Josep Font, Sonia Rodríguez, Angel Álvarez-Larena and Juan F. Piniella

Tetrahedron: Asymmetry *13 (2002) 455*

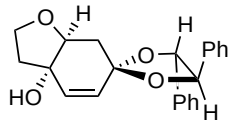


E.e. = 100%
$[\alpha]_D^{20} = +14.2$ (*c* 2.5, $CHCl_3$)
Source of chirality: (*R*,*R*)-1,2-diphenyl ethanediol
Absolute configuration: 2*R*,3*R*

$C_{22}H_{22}O_4$
(2*R*,3*R*)-8-(2-Hydroxy)ethyl-2,3-diphenyl-1,4-dioxaspiro[4,5]deca-6,9-dien-8-ol

Mariona Cantó, Pedro de March,* Marta Figueredo, Josep Font, Sonia Rodríguez, Angel Álvarez-Larena and Juan F. Piniella

Tetrahedron: Asymmetry *13 (2002) 455*

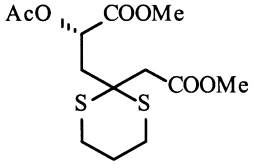


E.e. >95%
$[\alpha]_D^{20} = +2.4$ (*c* 1.7, $CHCl_3$)
Source of chirality: (*R*,*R*)-1,2-diphenyl ethanediol
Absolute configuration: 3a*S*,7a*S*,4′*R*,5′*R*

$C_{22}H_{22}O_4$
(3a*S*,7a*S*,4′*R*,5′*R*)-4′,5′-Diphenyl-3,3a,7,7a-tetrahydrospiro[benzofuro-6(2*H*),2′-[1,3]dioxolan]-3a-ol

Xiao-Xin Shi,* Qing-Quan Wu and Xia Lu

Tetrahedron: Asymmetry *13 (2002) 461*

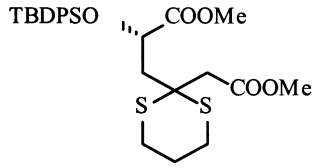


$[\alpha]_D = -158$ (*c* 0.5, CH_2Cl_2)
Source of chirality: L-malic acid
Absolute configuration: 2*S*

(2*S*)-Dimethyl-2-acetoxy-4,4-(propylenedithio)adipate

Xiao-Xin Shi,* Qing-Quan Wu and Xia Lu

Tetrahedron: Asymmetry *13 (2002) 461*

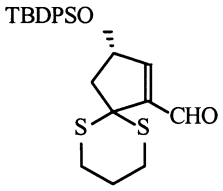


$[\alpha]_D = -226$ (*c* 0.6, CH_2Cl_2)
Source of chirality: L-malic acid
Absolute configuration: 2*S*

(2*S*)-Dimethyl-2-(*tert*-butyldiphenylsilyloxy)-4,4-(propylenedithio)adipate

Xiao-Xin Shi,* Qing-Quan Wu and Xia Lu

Tetrahedron: Asymmetry *13 (2002) 461*

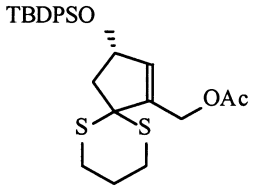


$[\alpha]_D = -112$ (*c* 1.0, CH_2Cl_2)
Source of chirality: L-malic acid
Absolute configuration: 9*S*

(9*S*)-9-(*tert*-Butyldiphenylsilyloxy)-7-formyl-1,5-dithiaspiro[5,4]dec-7-ene

Xiao-Xin Shi,* Qing-Quan Wu and Xia Lu

Tetrahedron: Asymmetry *13 (2002) 461*

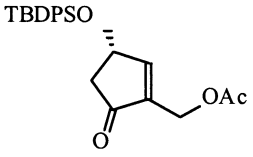


$[\alpha]_D = -92$ (*c* 1.1, CH_2Cl_2)
Source of chirality: L-malic acid
Absolute configuration: 9*S*

(9*S*)-7-(Acetoxymethyl)-9-(*tert*-butyldiphenylsilyloxy)-1,5-dithiaspiro[5,4]dec-7-ene

Xiao-Xin Shi,* Qing-Quan Wu and Xia Lu

Tetrahedron: Asymmetry *13 (2002) 461*

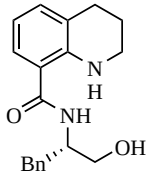


$[\alpha]_D = -67$ (*c* 0.8, CH_2Cl_2)
Source of chirality: L-malic acid
Absolute configuration: 4*S*

(4*S*)-2-(Acetoxymethyl)-4-(*tert*-butyldiphenylsilyloxy)-2-cyclopenten-1-one

Yi-Bo Zhou, Fang-Yi Tang, Hua-Dong Xu, Xin-Yan Wu, Jun-An Ma and Qi-Lin Zhou*

Tetrahedron: Asymmetry *13 (2002) 469*



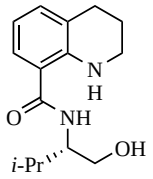
E.e. = 100%
$[\alpha]_D^{25} = +30.9$ (*c* 1.0, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: *S*

$C_{19}H_{22}N_2O_2$

N-[(1*S*)-1-Benzyl-2-hydroxyethyl]-(1,2,3,4-tetrahydroquinolin-8-yl)-carboxamide

Yi-Bo Zhou, Fang-Yi Tang, Hua-Dong Xu, Xin-Yan Wu, Jun-An Ma and Qi-Lin Zhou*

Tetrahedron: Asymmetry *13 (2002) 469*

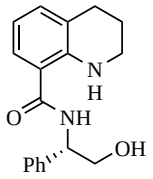


E.e. = 100%
$[\alpha]_D^{25} = -59.0$ (*c* 1.0, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: *S*

$C_{15}H_{22}N_2O_2$
N-[(1*S*)-1-Isopropyl-2-hydroxyethyl]-(1,2,3,4-tetrahydroquinolin-8-yl)-carboxamide

Yi-Bo Zhou, Fang-Yi Tang, Hua-Dong Xu, Xin-Yan Wu, Jun-An Ma and Qi-Lin Zhou*

Tetrahedron: Asymmetry *13 (2002) 469*

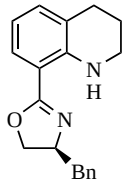


E.e. = 100%
$[\alpha]_D^{25} = +97.0$ (*c* 1.0, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: *S*

$C_{18}H_{20}N_2O_2$
N-[(1*S*)-1-Phenyl-2-hydroxyethyl]-(1,2,3,4-tetrahydroquinolin-8-yl)-carboxamide

Yi-Bo Zhou, Fang-Yi Tang, Hua-Dong Xu, Xin-Yan Wu, Jun-An Ma and Qi-Lin Zhou*

Tetrahedron: Asymmetry *13 (2002) 469*

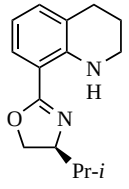


E.e. = 100%
$[\alpha]_D^{25} = +43.5$ (*c* 2.0, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: *S*

$C_{19}H_{20}N_2O$
(4*S*)-4,5-Dihydro-4-benzyl-2-(1,2,3,4-tetrahydroquinolin-8-yl)oxazole

Yi-Bo Zhou, Fang-Yi Tang, Hua-Dong Xu, Xin-Yan Wu, Jun-An Ma and Qi-Lin Zhou*

Tetrahedron: Asymmetry *13 (2002) 469*

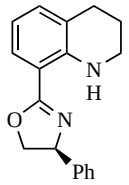


E.e. = 100%
$[\alpha]_D^{25} = +27.7$ (*c* 2.35, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: *S*

$C_{15}H_{20}N_2O$
(4*S*)-4,5-Dihydro-4-isopropyl-2-(1,2,3,4-tetrahydroquinolin-8-yl)oxazole

Yi-Bo Zhou, Fang-Yi Tang, Hua-Dong Xu, Xin-Yan Wu, Jun-An Ma and Qi-Lin Zhou*

Tetrahedron: Asymmetry *13 (2002) 469*

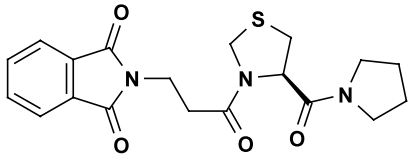


E.e. = 100%
$[\alpha]_D^{25} = +46.8$ (c 1.73, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: *S*

$C_{18}H_{18}N_2O$
(4*S*)-4,5-Dihydro-4-phenyl-2-(1,2,3,4-tetrahydroquinolin-8-yl)oxazole

Károly Kánai, Benjamin Podányi,* Sándor Bokotey, Félix Hajdú and István Hermecz

Tetrahedron: Asymmetry *13 (2002) 491*

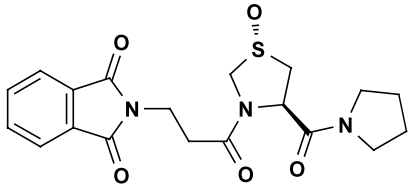


$[\alpha]_D^{20} = -91.4$ ($c = 1$, EtOH)
Source of chirality: (*R*)-thioproline
Absolute configuration: *R*

$C_{19}H_{21}N_3O_4S$
(−)-2{3-oxo-3-[(4*R*)-4-(1-Pyrrolidinylcarbonyl)-1,3-thiazolidin-3-yl]propyl}-1*H*-isoindole-1,3(2*H*)-dione

Károly Kánai, Benjamin Podányi,* Sándor Bokotey, Félix Hajdú and István Hermecz

Tetrahedron: Asymmetry *13 (2002) 491*

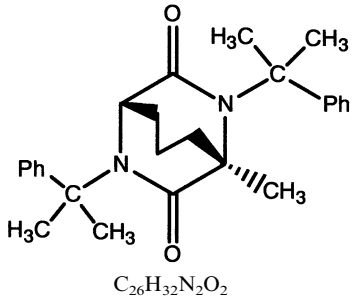


D.e. >99% (by chiral HPLC on Inertsil ODS2, 5 μm, 250×4.0 mm column)
$[\alpha]_D^{20} = -84.5$ ($c = 1$, EtOH)
Source of chirality: (*R*)-thioproline
Absolute configuration: 1*R*,4*R*
(assigned by chemical correlation)

$C_{19}H_{21}N_3O_5S$
(−)-2{3-[(1*R*,4*R*)-1-Oxido-4-(1-pyrrolidinylcarbonyl)-1,3-thiazolidin-3-yl]propyl}-1*H*-isoindole-1,3(2*H*)-dione

Francesca Paradisi, Fabio Piccinelli, Gianni Porzi* and Sergio Sandri*

Tetrahedron: Asymmetry *13 (2002) 497*

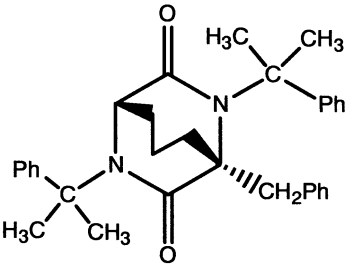


$[\alpha]_D$ +132.2 (c 0.5, $CHCl_3$)
Source of chirality: (*S*)-phenethylamine
Absolute configuration: 1*S*,4*S*

$C_{26}H_{32}N_2O_2$
(1*S*,4*S*)-2,5-Bis-[*N*-(1′-phenylisopropyl)]-3,6-dioxo-1-methyl-bicyclo[3,2,2]nonane

Francesca Paradisi, Fabio Piccinelli, Gianni Porzi* and Sergio Sandri*

Tetrahedron: Asymmetry *13 (2002) 497*



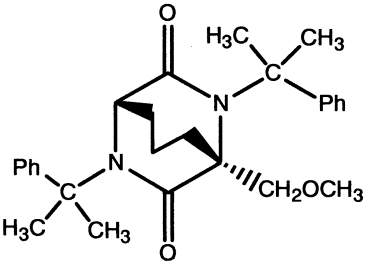
$C_{32}H_{36}N_2O_2$

(1*R*,4*S*)-2,5-Bis-[*N*-(1′-phenylisopropyl)]-1-benzyl-3,6-dioxo-bicyclo[3,2,2]nonane

$[\alpha]_D$ +69 (*c* 1.37, $CHCl_3$)
Source of chirality: (*S*)-phenethylamine
Absolute configuration: 1*R*,4*S*

Francesca Paradisi, Fabio Piccinelli, Gianni Porzi* and Sergio Sandri*

Tetrahedron: Asymmetry *13 (2002) 497*



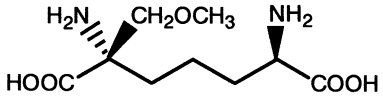
$C_{27}H_{34}N_2O_3$

(1*R*,4*S*)-2,5-Bis-[*N*-(1′-phenylisopropyl)]-3,6-dioxo-1-methoxymethyl-bicyclo[3,2,2]nonane

$[\alpha]_D$ +165.7 (*c* 2.47, $CHCl_3$)
Source of chirality: (*S*)-phenethylamine
Absolute configuration: 1*R*,4*S*

Francesca Paradisi, Fabio Piccinelli, Gianni Porzi* and Sergio Sandri*

Tetrahedron: Asymmetry *13 (2002) 497*



$C_9H_{18}N_2O_5$

(2*S*,6*R*)-2,6-Diamino-2-methoxymethylpimelic acid

$[\alpha]_D$ −19.4 (*c* 0.68, 1N HCl)
Source of chirality: (*S*)-phenethylamine
Absolute configuration: 2*S*,6*R*

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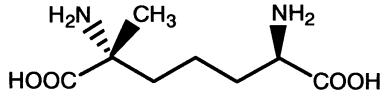
Tetrahedron: Asymmetry *13 (2002) 497*



$C_8H_{16}N_2O_4$

(2*R*,6*R*)-2,6-Diamino-2-methylpimelic acid

$[\alpha]_D$ −28.2 (*c* 0.75, 1N HCl)
Source of chirality: (*S*)-phenethylamine
Absolute configuration: 2*R*,6*R*

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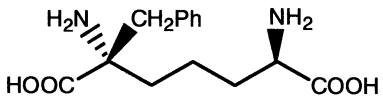
Tetrahedron: Asymmetry *13 (2002) 497*

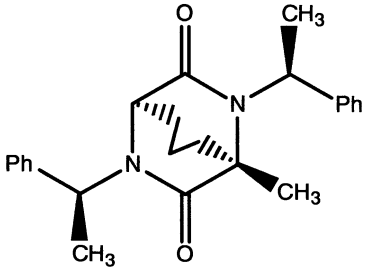


$[\alpha]_D$ −11.7 (*c* 0.6, 1N HCl)
Source of chirality: (*S*)-phenethylamine
Absolute configuration: 2*S*,6*R*

$C_{14}H_{20}N_2O_4$
(2*S*,6*R*)-2,6-Diamino-2-benzylpimelic acid

Francesca Paradisi, Fabio Piccinelli, Gianni Porzi* and Sergio Sandri*

Tetrahedron: Asymmetry *13 (2002) 497*



$[\alpha]_D$ −154.5 (*c* 0.71, $CHCl_3$)
Source of chirality: (*S*)-phenethylamine
Absolute configuration: 1*R*,4*R*,1′*S*

$C_{24}H_{28}N_2O_2$
(1*R*,4*R*,1′*S*)-2,5-Bis-[*N*-(1′-phenethyl)]-2,5-diaza-3,6-dioxo-1-methyl-bicyclo[3,2,2]nonane

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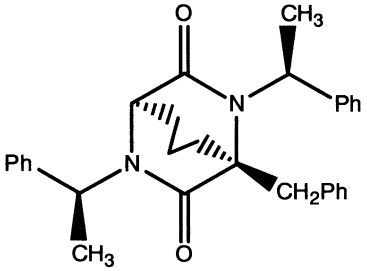
Francesca Paradisi, Fabio Piccinelli, Gianni Porzi* and Sergio Sandri*

Tetrahedron: Asymmetry *13 (2002) 497*



$[\alpha]_D$ −194.7 (*c* 0.59, $CHCl_3$)
Source of chirality: (*S*)-phenethylamine
Absolute configuration: 1*R*,4*R*,1′*S*

$C_{30}H_{32}N_2O_2$
(1*R*,4*R*,1′*S*)-2,5-Bis-[*N*-(1′-phenethyl)]-1-benzyl-2,5-diaza-3,6-dioxo-bicyclo[3,2,2]nonane

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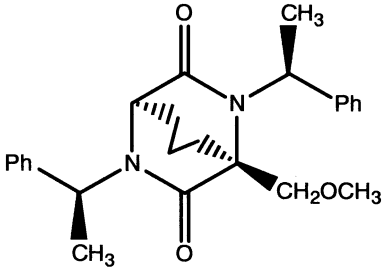
Francesca Paradisi, Fabio Piccinelli, Gianni Porzi* and Sergio Sandri*

Tetrahedron: Asymmetry *13 (2002) 497*

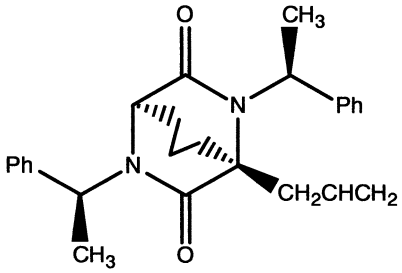


$[\alpha]_D$ −191.3 (*c* 1.15, $CHCl_3$)
Source of chirality: (*S*)-phenethylamine
Absolute configuration: 1*R*,4*R*,1′*S*

$C_{25}H_{30}N_2O_3$
(1*R*,4*R*,1′*S*)-2,5-Bis-[*N*-(1′-phenethyl)]-2,5-diaza-3,6-dioxo-1-methoxymethyl-bicyclo[3,2,2]nonane

Francesca Paradisi, Fabio Piccinelli, Gianni Porzi* and Sergio Sandri*

Tetrahedron: Asymmetry *13 (2002) 497*



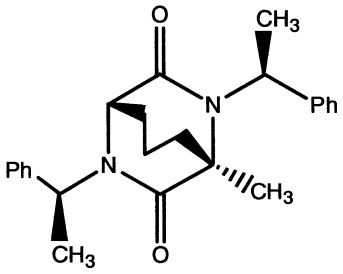
$C_{26}H_{30}N_2O_2$

(1*R*,4*R*,1′*S*)-2,5-Bis-[*N*-(1′-phenethyl)]-1-allyl-2,5-diaza-3,6-dioxo-bicyclo[3,2,2]nonane

$[\alpha]_D$ −182.7 (*c* 0.71, $CHCl_3$)
Source of chirality: (*S*)-phenethylamine
Absolute configuration: 1*R*,4*R*,1′*S*

Francesca Paradisi, Fabio Piccinelli, Gianni Porzi* and Sergio Sandri*

Tetrahedron: Asymmetry *13 (2002) 497*



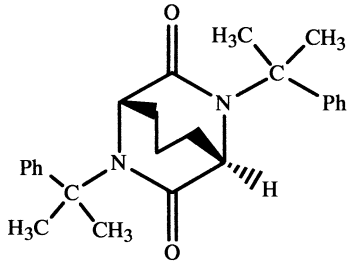
$C_{24}H_{28}N_2O_2$

(1*S*,4*S*,1′*S*)-2,5-Bis-[*N*-(1′-phenethyl)]-2,5-diaza-3,6-dioxo-1-methyl-bicyclo[3,2,2]nonane

$[\alpha]_D$ −39 (*c* 0.51, $CHCl_3$)
Source of chirality: (*S*)-phenethylamine
Absolute configuration: 1*S*,4*S*,1′*S*

Francesca Paradisi, Fabio Piccinelli, Gianni Porzi* and Sergio Sandri*

Tetrahedron: Asymmetry *13 (2002) 497*



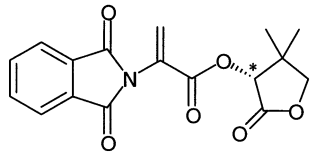
$C_{25}H_{30}N_2O_2$

(1*S*,4*S*)-2,5-Bis-[*N*-(1′-phenylisopropyl)]-2,5-diaza-3,6-dioxo-bicyclo[3,2,2]nonane

$[\alpha]_D$ +166.7 (*c* 0.66, $CHCl_3$)
Source of chirality: (*S*)-phenethylamine
Absolute configuration: 1*S*,4*S*

Anne-Marie Yim, Yves Vidal,* Philippe Viallefont and Jean Martinez

Tetrahedron: Asymmetry *13 (2002) 503*



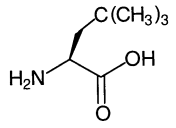
$C_{17}H_{15}NO_6$

N-Phthaloyl dehydroalanine-(*R*)-pantolactonyl ester

E.e. = 100%
$[\alpha]_D^{20} = -20$ (*c* 1.00, $CHCl_3$)
Source of chirality: (*R*)-pantolactone
Absolute configuration: (*R*)

Anne-Marie Yim, Yves Vidal,* Philippe Viallefont and Jean Martinez

Tetrahedron: Asymmetry *13 (2002) 503*

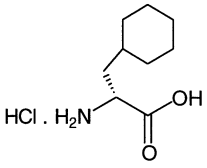


$C_7H_{15}NO_2$
(S)-γ-Methylleucine

E.e. = 40%
$[\alpha]_D^{20} = -5.0$ (*c* 1.00, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

Anne-Marie Yim, Yves Vidal,* Philippe Viallefont and Jean Martinez

Tetrahedron: Asymmetry *13 (2002) 503*

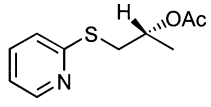


$C_9H_{18}ClNO_2$
(*R*)-Cyclohexylalanine hydrochloride

E.e. = 36%
$[\alpha]_D^{20} = -3.8$ (*c* 0.53, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (*R*)

Swapandeep Singh Chimni,* Satwinder Singh, Subodh Kumar and Savita Mahajan

Tetrahedron: Asymmetry *13 (2002) 511*

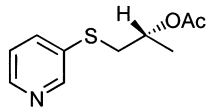


$C_{10}H_{13}NO_2S$
(2*R*)-1-(2-Pyridylthio)-propan-2-yl acetate

E.e. = 96%
$[\alpha]_D = -42.2$ (*c* 0.62, CH_2Cl_2)
Source of chirality: enzymatic resolution
Absolute configuration: 2*R*

Swapandeep Singh Chimni,* Satwinder Singh, Subodh Kumar and Savita Mahajan

Tetrahedron: Asymmetry *13 (2002) 511*



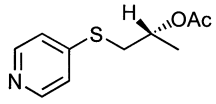
$C_{10}H_{13}NO_2S$
(2*R*)-1-(3-Pyridylthio)-propan-2-yl acetate

E.e. = 95%
$[\alpha]_D = -1.24$ (*c* 0.50, CH_2Cl_2)
Source of chirality: enzymatic resolution
Absolute configuration: 2*R*

Swapandeep Singh Chimni,* Satwinder Singh, Subodh Kumar and Savita Mahajan

Tetrahedron: Asymmetry *13 (2002) 511*

E.e. = 96%
$[\alpha]_D = +8.2$ (*c* 0.36, CH_2Cl_2)
Source of chirality: enzymatic resolution
Absolute configuration: 2*R*

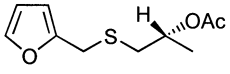


$C_{10}H_{13}NO_2S$
(2*R*)-1-(4-Pyridylthio)-propan-2-yl acetate

Swapandeep Singh Chimni,* Satwinder Singh, Subodh Kumar and Savita Mahajan

Tetrahedron: Asymmetry *13 (2002) 511*

E.e. = 92%
$[\alpha]_D = +20.4$ (*c* 0.76, CH_2Cl_2)
Source of chirality: enzymatic resolution
Absolute configuration: 2*R*

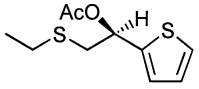


$C_{10}H_{14}O_3S$
(2*R*)-1-(Furan-2-ylmethylthio)propan-2-yl acetate

Swapandeep Singh Chimni,* Satwinder Singh, Subodh Kumar and Savita Mahajan

Tetrahedron: Asymmetry *13 (2002) 511*

E.e. = 82%
$[\alpha]_D = +56.4$ (*c* 0.56, CH_2Cl_2)
Source of chirality: enzymatic resolution
Absolute configuration: 1*R*

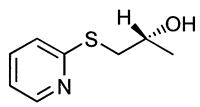


$C_{10}H_{14}O_2S_2$
(1*R*)-2-Ethylthio-1-thiophen-2-yl-ethyl acetate

Swapandeep Singh Chimni,* Satwinder Singh, Subodh Kumar and Savita Mahajan

Tetrahedron: Asymmetry *13 (2002) 511*

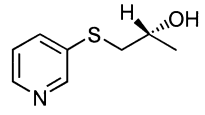
E.e. = 96%
$[\alpha]_D = -37.4$ (*c* 0.40, CH_2Cl_2)
Source of chirality: enzymatic resolution
Absolute configuration: 2*R*



$C_8H_{11}NOS$
(2*R*)-1-(2-Pyridylthio)-propan-2-ol

Swapandeep Singh Chimni,* Satwinder Singh, Subodh Kumar and Savita Mahajan

Tetrahedron: Asymmetry *13 (2002) 511*



$C_8H_{11}NOS$

(2*R*)-1-(3-Pyridylthio)-propan-2-ol

E.e. = 95%

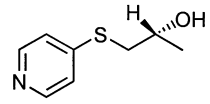
$[\alpha]_D = -49.2$ (*c* 0.44, CH_2Cl_2)

Source of chirality: enzymatic resolution

Absolute configuration: 2*R*

Swapandeep Singh Chimni,* Satwinder Singh, Subodh Kumar and Savita Mahajan

Tetrahedron: Asymmetry *13 (2002) 511*



$C_8H_{11}NOS$

(2*R*)-1-(4-Pyridylthio)propan-2-ol

E.e. = 96%

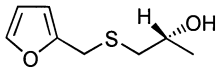
$[\alpha]_D = -26.2$ (*c* 0.22, CH_2Cl_2)

Source of chirality: enzymatic resolution

Absolute configuration: 2*R*

Swapandeep Singh Chimni,* Satwinder Singh, Subodh Kumar and Savita Mahajan

Tetrahedron: Asymmetry *13 (2002) 511*



$C_8H_{11}NOS$

(2*R*)-(Furan-2-ylmethylthio)propan-2-ol

E.e. = 92%

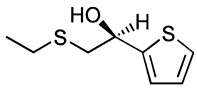
$[\alpha]_D = -67.9$ (*c* 0.47, CH_2Cl_2)

Source of chirality: enzymatic resolution

Absolute configuration: 2*R*

Swapandeep Singh Chimni,* Satwinder Singh, Subodh Kumar and Savita Mahajan

Tetrahedron: Asymmetry *13 (2002) 511*



$C_8H_{12}OS_2$

(1*R*)-2-Ethylthio-1-thiophen-2-yl-ethanol

E.e. = 82%

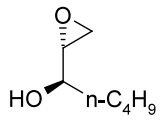
$[\alpha]_D = +25.1$ (*c* 0.43, CH_2Cl_2)

Source of chirality: enzymatic resolution

Absolute configuration: 1*R*

Sandra F. Mayer, Andreas Steinreiber, Marian Goriup, Robert Saf and Kurt Faber*

Tetrahedron: Asymmetry *13 (2002) 523*



$C_7H_{14}O_2$

(2*R*,3*R*)-1,2-Epoxyheptan-3-ol

D.e. >99%

E.e. = 93%

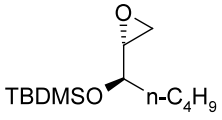
$[\alpha]_D^{20} = -3.2$ (*c* 0.85, $CHCl_3$)

Source of chirality: chemoenzymatic synthesis

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

Sandra F. Mayer, Andreas Steinreiber, Marian Goriup, Robert Saf and Kurt Faber*

Tetrahedron: Asymmetry *13 (2002) 523*



$C_{13}H_{28}O_2Si$

(2*R*,3*R*)-3-*tert*-Butyldimethylsilyloxy-1,2-epoxyheptane

D.e. >99%

E.e. = 93%

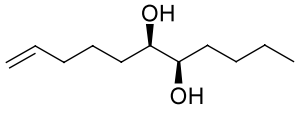
$[\alpha]_D^{20} = +5.8$ (*c* 1.50, $CHCl_3$)

Source of chirality: chemoenzymatic synthesis

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

Sandra F. Mayer, Andreas Steinreiber, Marian Goriup, Robert Saf and Kurt Faber*

Tetrahedron: Asymmetry *13 (2002) 523*



$C_{11}H_{22}O_2$

(5*R*,6*R*)-10-Undecene-5,6-diol

D.e. >99%

E.e. = 93%

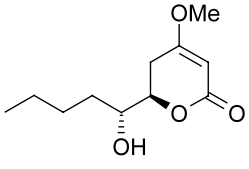
$[\alpha]_D^{20} = +24.3$ (*c* 2.70, $CHCl_3$)

Source of chirality: chemoenzymatic synthesis

Absolute configuration: 5*R*,6*R*

Sandra F. Mayer, Andreas Steinreiber, Marian Goriup, Robert Saf and Kurt Faber*

Tetrahedron: Asymmetry *13 (2002) 523*



$C_{11}H_{18}O_4$

(6*R*,1′*R*)-(+)-5,6-Dihydro-6-(1′-hydroxypentyl)-4-methoxy-pyran-2-one

D.e. >99%

E.e. = 93%

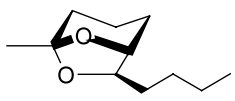
$[\alpha]_D^{20} = +92.5$ (*c* 1.3, MeOH)

Source of chirality: chemoenzymatic synthesis

Absolute configuration: 6*R*,1′*R*

Sandra F. Mayer, Andreas Steinreiber, Marian Goriup, Robert Saf and Kurt Faber*

Tetrahedron: Asymmetry *13 (2002) 523*



$C_{11}H_{20}O_2$

(1*R*,7*R*)-(+)-*exo*-7-Butyl-5-methyl-6,8-dioxabicyclo[3.2.1]octane

D.e. >99%

E.e. = 93%

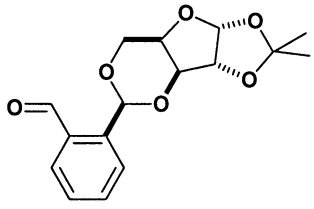
$[\alpha]_D^{20} = +51.8$ (*c* 0.65, $CHCl_3$)

Source of chirality: chemoenzymatic synthesis

Absolute configuration: 1*R*,7*R*

Serge Pilard, David Riboul, Virginie Glaçon, Nicolas Moitessier, Yves Chapleur, Denis Postel and Christophe Len*

Tetrahedron: Asymmetry *13 (2002) 529*



$C_{16}H_{18}O_6$

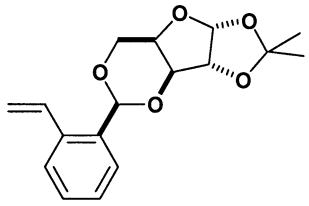
3,5-*O*-(2-Formylbenzylidene)-1,2-*O*-isopropylidene-α-D-xylofuranose

$[\alpha]_D^{22} = +13.0$ (*c* 1.0, $CHCl_3$)

Source of chirality: D-xylose

Serge Pilard, David Riboul, Virginie Glaçon, Nicolas Moitessier, Yves Chapleur, Denis Postel and Christophe Len*

Tetrahedron: Asymmetry *13 (2002) 529*



$C_{17}H_{20}O_5$

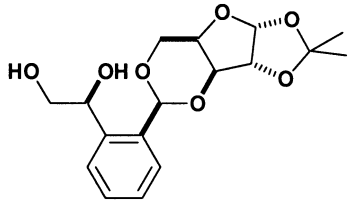
3,5-*O*-(2-Ethenlbenzylidene)-1,2-*O*-isopropylidene-α-D-xylofuranose

$[\alpha]_D^{24} = -16.0$ (*c* 1.0, $CHCl_3$)

Source of chirality: D-xylose

Serge Pilard, David Riboul, Virginie Glaçon, Nicolas Moitessier, Yves Chapleur, Denis Postel and Christophe Len*

Tetrahedron: Asymmetry *13 (2002) 529*



$C_{17}H_{22}O_7$

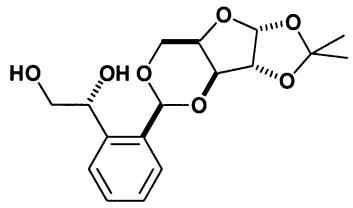
3,5-*O*-[2-((*S*)-1,2-Dihydroxyethyl)benzylidene)-1,2-*O*-isopropylidene-α-D-xylofuranose

$[\alpha]_D^{20} = +29.7$ (*c* 1.0, $CHCl_3$)

Source of chirality: D-xylose and stereoselective synthesis using AD-mix α

Serge Pilard, David Riboul, Virginie Glaçon, Nicolas Moitessier, Yves Chapleur, Denis Postel and Christophe Len*

Tetrahedron: Asymmetry *13 (2002) 529*



$[\alpha]_D^{21} = -18.9$ (c 0.5, $CHCl_3$)

Source of chirality: D-xylose and stereoselective synthesis using AD-mix α

$C_{17}H_{22}O_7$

3,5-*O*-[2-((*S*)-1,2-Dihydroxyethyl)benzylidene)-1,2-*O*-isopropylidene-α-D-xylofuranose

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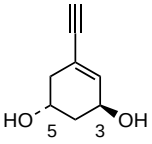
Mónica Díaz, Miguel Ferrero, Susana Fernández and Vicente Gotor*

Tetrahedron: Asymmetry *13 (2002) 539*



$[\alpha]_D^{20} = -111.1$ (c 0.80, MeOH)

Source of chirality: (−)-quinic acid

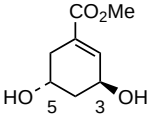
Absolute configuration: 3*S*,5*R*

$C_8H_{10}O_2$

(3*S*,5*R*)-1-Ethynyl-3,5-dihydroxycyclohex-1-ene

Mónica Díaz, Miguel Ferrero, Susana Fernández and Vicente Gotor*

Tetrahedron: Asymmetry *13 (2002) 539*



$[\alpha]_D^{20} = -106$ (c 0.38, MeOH)

Source of chirality: (−)-quinic acid

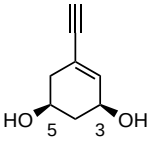
Absolute configuration: 3*S*,5*R*

$C_8H_{12}O_4$

Methyl (3*S*,5*R*)-3,5-dihydroxycyclohex-1-enecarboxylate

Mónica Díaz, Miguel Ferrero, Susana Fernández and Vicente Gotor*

Tetrahedron: Asymmetry *13 (2002) 539*



$[\alpha]_D^{20} = +49.3$ (c 0.50, MeOH)

Source of chirality: (−)-quinic acid

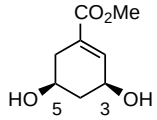
Absolute configuration: 3*S*,5*S*

$C_8H_{10}O_2$

(3*S*,5*S*)-1-Ethynyl-3,5-dihydroxycyclohex-1-ene

Mónica Díaz, Miguel Ferrero, Susana Fernández and Vicente Gotor*

Tetrahedron: Asymmetry *13 (2002) 539*



$C_8H_{12}O_4$

Methyl (3*S*,5*S*)-3,5-dihydroxycyclohex-1-enecarboxylate

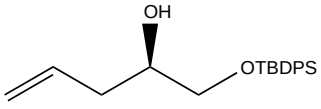
$[\alpha]_D^{20} = +29$ (*c* 0.81, MeOH)

Source of chirality: (−)-quinic acid

Absolute configuration: 3*S*,5*S*

Trond Vidar Hansen*

Tetrahedron: Asymmetry *13 (2002) 547*



$C_{21}H_{28}O_2Si$

(2*R*)-1-(*tert*-Butyldiphenylsilyloxy)-4-penten-2-ol

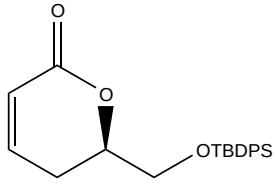
$[\alpha]_D^{23} = +172.7$ (*c* 1.0, $CHCl_3$)

Source of chirality: (*S*)-glycidol

Absolute configuration: 2*R*

Trond Vidar Hansen*

Tetrahedron: Asymmetry *13 (2002) 547*



$C_{22}H_{26}O_3Si$

(6*R*)-6-(*tert*-Butyldiphenylsilylyloxy)methylene-5,6-dihydro-2*H*-pyran-2-one

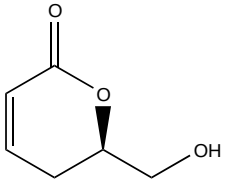
$[\alpha]_D^{23} = +34.2$ (*c* 1.5, $CHCl_3$)

Source of chirality: (*S*)-glycidol

Absolute configuration: 6*R*

Trond Vidar Hansen*

Tetrahedron: Asymmetry *13 (2002) 547*



$C_6H_8O_3$

(6*R*)-6-(Hydroxymethyl)-5,6-dihydro-2*H*-pyran-2-one

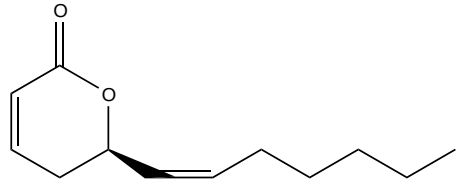
$[\alpha]_D^{22} = +172.7$ (*c* 1.0, $CHCl_3$)

Source of chirality: (*S*)-glycidol

Absolute configuration: 6*R*

Trond Vidar Hansen*

Tetrahedron: Asymmetry *13 (2002) 547*



$C_{12}H_{18}O_2$

(6*R*)-6-Hept-1-enyl-5,6-dihydro-2*H*-pyran-2-one, (*R*)-argentilactone

E.e. >97%

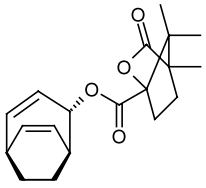
$[\alpha]_D^{25} = -20.5$ (*c* 0.5, EtOH)

Source of chirality: (*S*)-glycidol

Absolute configuration: 6*R*

Paul Müller,* Gérald Bernardinelli and Patrice Nury

Tetrahedron: Asymmetry *13 (2002) 551*



$C_{19}H_{24}O_4$

(1*S*,2S,5*R*)-Bicyclo[3.2.2]nona-3,6-dien-2-yl-(1*S*)-3-oxo-4,7,7-trimethyl-2-oxobicyclo[2.2.1]heptene-1-carboxylate

E.e. >99%

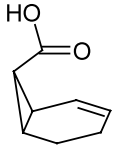
$[\alpha]_D^{21} = +125.9$ (*c* 0.49, $CHCl_3$)

Source of chirality: asymmetric synthesis

Absolute configuration: 1*S*,2S,5*R*; assigned by X-ray diffraction

Paul Müller,* Gérald Bernardinelli and Patrice Nury

Tetrahedron: Asymmetry *13 (2002) 551*



$C_8H_{10}O_2$

(1*R*,2*S*,7*R*)-Bicyclo[4.1.0]hept-2-ene-7-carboxylic acid

E.e. = 94%

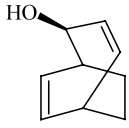
$[\alpha]_D^{21} = +359.8$ (*c* 0.57, $CHCl_3$)

Source of chirality: asymmetric synthesis

Absolute configuration: 1*R*,2*S*,5*R*

Paul Müller,* Gérald Bernardinelli and Patrice Nury

Tetrahedron: Asymmetry *13 (2002) 551*



$C_9H_{12}O$

(1*S*,2*S*,5*R*)-Bicyclo[3.2.2]nona-3,6-dien-2-ol

E.e. = 94%

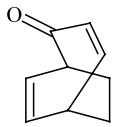
$[\alpha]_D^{21} = +39.0$ (*c* 0.96, $CHCl_3$)

Source of chirality: asymmetric synthesis

Absolute configuration: 1*S*,2*S*,5*R*

Paul Müller,* Gérald Bernardinelli and Patrice Nury

Tetrahedron: Asymmetry *13 (2002) 551*



$C_9H_{10}O$

(1*S*,5*R*)-Bicyclo[3.2.2]nona-2,6-dien-2-one

E.e. = 94%

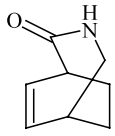
$[\alpha]_D^{21} = -99.8$ (*c* 0.50, $CHCl_3$)

Source of chirality: asymmetric synthesis

Absolute configuration: 1*S*,5*R*

Paul Müller,* Gérald Bernardinelli and Patrice Nury

Tetrahedron: Asymmetry *13 (2002) 551*



$C_8H_{11}NO$

(1*S*,5*R*)-3-Aza-bicyclo[3.2.2]non-6-en-2-one

E.e. = 94%

$[\alpha]_D^{21} = -234.5$ (*c* 0.81, $CHCl_3$)

Source of chirality: asymmetric synthesis

Absolute configuration: 1*S*,5*R*