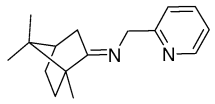
Gonzalo Blay, Estela Climent, Isabel Fernández,
Victor Hernández-Olmos and José R. Pedro*

Tetrahedron: Asymmetry *17 (2006) 2046*

$[\alpha]_D^{25} = -24.2$ (*c* 0.91, $CHCl_3$)
Source of chirality: (1*R*)-(+)-camphor



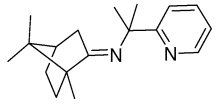
$C_{16}H_{22}N_2$

(*E*)-*N*-((1*R*,4*R*)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-ylidene)(pyridin-2-yl)methanamine

Gonzalo Blay, Estela Climent, Isabel Fernández,
Victor Hernández-Olmos and José R. Pedro*

Tetrahedron: Asymmetry *17 (2006) 2046*

$[\alpha]_D^{25} = -5.6$ (*c* 0.99, $CHCl_3$)
Source of chirality: (1*R*)-(+)-camphor



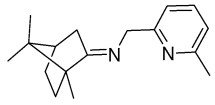
$C_{18}H_{22}N_2$

(*E*)-*N*-((1*R*,4*R*)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-ylidene)-2-(pyridin-2-yl)propan-2-amine

Gonzalo Blay, Estela Climent, Isabel Fernández,
Victor Hernández-Olmos and José R. Pedro*

Tetrahedron: Asymmetry *17 (2006) 2046*

$[\alpha]_D^{25} = -23.9$ (*c* 0.92, $CHCl_3$)
Source of chirality: (1*R*)-(+)-camphor



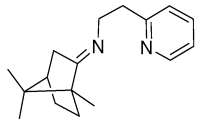
$C_{17}H_{24}N_2$

(*E*)-*N*-((1*R*,4*R*)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-ylidene)(6-methylpyridin-2-yl)methanamine

Gonzalo Blay, Estela Climent, Isabel Fernández,
Victor Hernández-Olmos and José R. Pedro*

Tetrahedron: Asymmetry *17 (2006) 2046*

$[\alpha]_D^{25} = -28.4$ (*c* 1.00, $CHCl_3$)
Source of chirality: (1*R*)-(+)-camphor

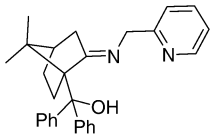


$C_{17}H_{24}N_2$

(*E*)-*N*-((1*R*,4*R*)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-ylidene)-2-(pyridin-2-yl)ethanamine

Gonzalo Blay, Estela Climent, Isabel Fernández, Victor Hernández-Olmos and José R. Pedro*

Tetrahedron: Asymmetry *17 (2006) 2046*



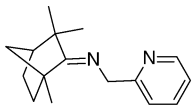
$[\alpha]_D^{25} = +163.7$ (c 0.97, $CHCl_3$)
Source of chirality: (1*S*)-(+)-ketopinic acid

$C_{28}H_{30}N_2$

((*E*,1*S*,4*R*)-2-[(Pyridin-2-yl)methylimino]-7,7-dimethylbicyclo[2.2.1]heptan-1-yl)diphenylmethanol

Gonzalo Blay, Estela Climent, Isabel Fernández, Victor Hernández-Olmos and José R. Pedro*

Tetrahedron: Asymmetry *17 (2006) 2046*



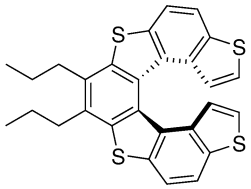
$[\alpha]_D^{25} = -70.9$ (c 0.38, $CHCl_3$),
Source of chirality: (1*R*)-(−)-fenchone

$C_{18}H_{27}N_3O_2S$

(*Z*)-*N*-(1*R*,4*S*-1,3,3,7,7-Pentamethylbicyclo[2.2.1]heptan-2-ylidene)(pyridin-2-yl)methanamine

Tsuneomi Kawasaki, Kenta Suzuki, Emanuela Licandro, Alberto Bossi, Stefano Maiorana* and Kenso Soai*

Tetrahedron: Asymmetry *17 (2006) 2050*



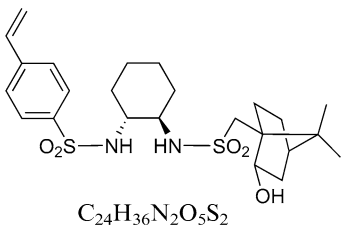
Ee = 98.9%
$[\alpha]_D^{20} = +685$ (c 0.187, $CHCl_3$)
Source of chirality: resolution using HPLC with a chiral stationary phase (Chiralpak IA)
Absolute configuration: *P*

$C_{28}H_{22}S_4$

(*P*)-(+)-7,8-Dipropyldithieno[3,2-*e*:3′,2′-*e*′]benzo[1,2-*b*:4,3-*b*′]bis[1]benzothiophene

Vicente J. Forrat, Diego J. Ramón* and Miguel Yus*

Tetrahedron: Asymmetry *17 (2006) 2054*



Ee = 100%
$[\alpha]_D^{25} = +20.1$ (c 1.1, $CHCl_3$)
Source of chirality: (+)-10-camphorsulfonyl chloride

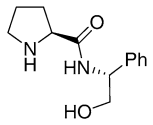
$C_{24}H_{36}N_2O_5S_2$

N-{2-(2-Hydroxy-7,7-dimethylbicyclo[2.2.1]hept-1-ylmethanesulfonylamino)cyclohexyl}-4-vinylbenzenesulfonamide

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*

$[\alpha]_D^{20} = -86.9$ (*c* 1.0, CH_2Cl_2)
Source of chirality: L-proline
Absolute configuration: L,*R*

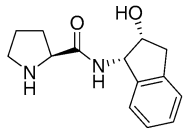


$C_{13}H_{18}N_2O_2$
(*S*)-*N*-(*R*)-[2-Hydroxy-1-phenylethyl]pyrrolidine-2-carboxamide

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*

$[\alpha]_D^{20} = -24.4$ (*c* 1.0, CH_2Cl_2)
Source of chirality: L-proline
Absolute configuration: L,1*S*,2*R*

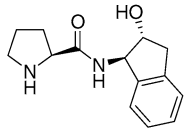


$C_{14}H_{18}N_2O_2$
(2*S*)-*N*-[(1*S*,2*R*)-2,3-Dihydro-2-hydroxy-1*H*-inden-1-yl]pyrrolidine-2-carboxamide

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*

$[\alpha]_D^{20} = +78.8$ (*c* 1.0, CH_2Cl_2)
Source of chirality: L-proline
Absolute configuration: L,1*R*,2*R*

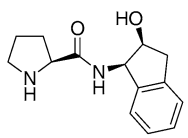


$C_{14}H_{18}N_2O_2$
(2*S*)-*N*-[(1*R*,2*R*)-2,3-Dihydro-2-hydroxy-1*H*-inden-1-yl]pyrrolidine-2-carboxamide

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*

$[\alpha]_D^{20} = -6.9$ (*c* 1.0, CH_2Cl_2)
Source of chirality: L-proline
Absolute configuration: L,1*R*,2*S*

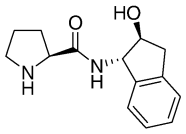


$C_{14}H_{18}N_2O_2$
(2*S*)-*N*-[(1*R*,2*S*)-2,3-Dihydro-2-hydroxy-1*H*-inden-1-yl]pyrrolidine-2-carboxamide

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*

$[\alpha]_D^{20} = -78.4$ (*c* 1.0, CH_2Cl_2)
Source of chirality: L-proline
Absolute configuration: L,1*S*,2*S*

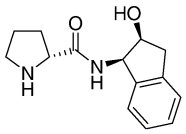


$C_{14}H_{18}N_2O_2$
(2*S*)-*N*-[(1*S*,2*S*)-2,3-Dihydro-2-hydroxy-1*H*-inden-1-yl]pyrrolidine-2-carboxamide

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*

$[\alpha]_D^{20} = +24.6$ (*c* 1.0, CH_2Cl_2)
Source of chirality: L-proline
Absolute configuration: D,1*R*,2*S*

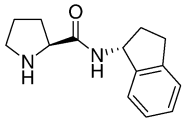


$C_{14}H_{18}N_2O_2$
(2*R*)-*N*-[(1*R*,2*S*)-2,3-Dihydro-2-hydroxy-1*H*-inden-1-yl]pyrrolidine-2-carboxamide

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*

$[\alpha]_D^{20} = +23.4$ (*c* 1.0, CH_2Cl_2)
Source of chirality: L-proline
Absolute configuration: L,*R*

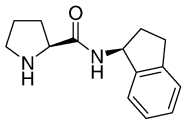


$C_{14}H_{18}N_2O$
(2*S*)-*N*-[(*R*)-2,3-Dihydro-1*H*-inden-1-yl]pyrrolidine-2-carboxamide

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*

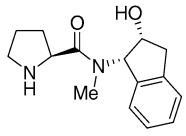
$[\alpha]_D^{20} = -76.4$ (*c* 1.0, CH_2Cl_2)
Source of chirality: L-proline
Absolute configuration: L,*S*



$C_{14}H_{18}N_2O$
(2*S*)-*N*-[(*S*)-2,3-Dihydro-1*H*-inden-1-yl]pyrrolidine-2-carboxamide

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*

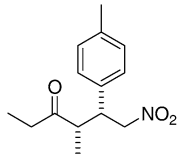


$[\alpha]_D^{20} = -29.0$ (*c* 1.0, CH_2Cl_2)
Source of chirality: L-proline
Absolute configuration: L,1*S*,2*R*

$C_{15}H_{20}N_2O_2$
(2*S*)-*N*-[(1*S*,2*R*)-2,3-Dihydro-2-hydroxy-1*H*-inden-1-yl]-*N*-methylpyrrolidine-2-carboxamide

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*

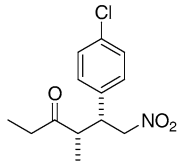


Ee = 74% by HPLC on Chiralcel OD-H column
$[\alpha]_D^{20} = +14.8$ (*c* 1.0, CH_2Cl_2)
Source of chirality: asymmetric catalysis

$C_{14}H_{19}NO_3$
syn-4-Methyl-6-nitro-5-*p*-tolylhexan-3-one

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*

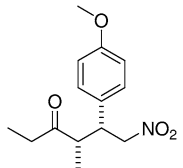


Ee = 78% by HPLC on Chiralcel OD-H column
$[\alpha]_D^{20} = +5.7$ (*c* 1.0, CH_2Cl_2)
Source of chirality: asymmetric catalysis

$C_{13}H_{16}ClNO_3$
syn-5-(4-Chlorophenyl)-4-methyl-6-nitrohexan-3-one

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*

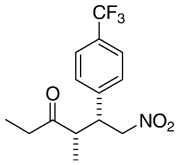


Ee = 73% by HPLC on Chiralcel OD-H column
$[\alpha]_D^{20} = +18.7$ (*c* 1.0, CH_2Cl_2)
Source of chirality: asymmetric catalysis

$C_{14}H_{19}NO_4$
syn-5-(4-Methoxyphenyl)-4-methyl-6-nitrohexan-3-one

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*



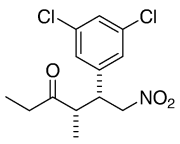
$C_{14}H_{16}F_3NO_3$

syn-4-Methyl-6-nitro-5-(4-(trifluoromethyl)phenyl)hexan-3-one

Ee = 50% by HPLC on Chiralcel OD-H column
$[\alpha]_D^{20} = -4.5$ (*c* 1.0, CH_2Cl_2)
Source of chirality: asymmetric catalysis

Diana Almaşi, Diego A. Alonso* and Carmen Nájera*

Tetrahedron: Asymmetry *17 (2006) 2064*



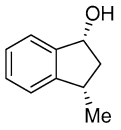
$C_{13}H_{15}Cl_2NO_3$

syn-5-(3,5-Dichlorophenyl)-4-methyl-6-nitrohexan-3-one

Ee = 73% by HPLC on Chiralcel OD-H column
$[\alpha]_D^{20} = -24.4$ (*c* 1.0, CH_2Cl_2)
Source of chirality: asymmetric catalysis

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



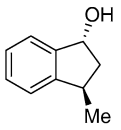
$C_{10}H_{12}O$

(1*R*,3*S*)-3-Methyl-2,3-dihydro-1*H*-inden-1-ol

Ee = 82%
$[\alpha]_D^{27} = -26.7$ (*c* 0.95, $CHCl_3$)
Source of chirality: asymmetric reduction
Absolute configuration: (1*R*,3*S*)

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



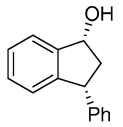
$C_{10}H_{12}O$

(1*R*,3*R*)-3-Methyl-2,3-dihydro-1*H*-inden-1-ol

Ee = 95%
$[\alpha]_D^{27} = -27.3$ (*c* 0.85, $CHCl_3$)
Source of chirality: asymmetric reduction
Absolute configuration: (1*R*,3*R*)

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{15}H_{14}O$

(1*R*,3*R*)-3-Phenyl-2,3-dihydro-1*H*-inden-1-ol

Ee = 78%

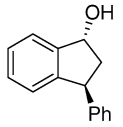
$[\alpha]_D^{27} = -12.4$ (*c* 1.50, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{15}H_{14}O$

(1*R*,3*S*)-3-Phenyl-2,3-dihydro-1*H*-inden-1-ol

Ee = 91%

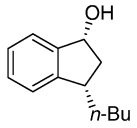
$[\alpha]_D^{27} = -30.8$ (*c* 1.50, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{13}H_{18}O$

(1*R*,3*S*)-3-Butyl-2,3-dihydro-1*H*-inden-1-ol

Ee = 80%

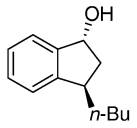
$[\alpha]_D^{28} = -56.8$ (*c* 0.75, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{13}H_{18}O$

(1*R*,3*R*)-3-Butyl-2,3-dihydro-1*H*-inden-1-ol

Ee = 94%

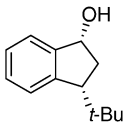
$[\alpha]_D^{29} = -34.4$ (*c* 0.95, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{13}H_{18}O$

(1*R*,3*R*)-3-*tert*-Butyl-2,3-dihydro-1*H*-inden-1-ol

Ee = 80%

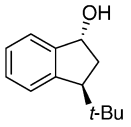
$[\alpha]_D^{19} = -59.1$ (*c* 0.90, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{13}H_{18}O$

(1*R*,3*S*)-3-*tert*-Butyl-2,3-dihydro-1*H*-inden-1-ol

Ee = 96%

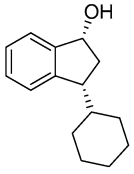
$[\alpha]_D^{19} = -57.9$ (*c* 0.75, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{15}H_{20}O$

(1*R*,3*R*)-3-Cyclohexyl-2,3-dihydro-1*H*-inden-1-ol

Ee = 78%

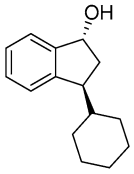
$[\alpha]_D^{23} = -31.9$ (*c* 0.80, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{15}H_{20}O$

(1*R*,3*S*)-3-Cyclohexyl-2,3-dihydro-1*H*-inden-1-ol

Ee = 93%

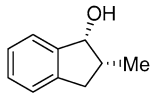
$[\alpha]_D^{23} = -35.9$ (*c* 0.80, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*

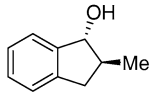


$C_{10}H_{12}O$
(1*R*,2*R*)-2-Methyl-2,3-dihydro-1*H*-inden-1-ol

Ee = 31%
$[\alpha]_D^{27} = -65.5$ (*c* 1.10, $CHCl_3$)
Source of chirality: asymmetric reduction
Absolute configuration: (1*R*,2*R*)

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*

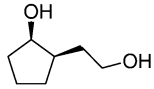


$C_{10}H_{12}O$
(1*R*,2*S*)-2-Methyl-2,3-dihydro-1*H*-inden-1-ol

Ee = 85%
$[\alpha]_D^{27} = -59.4$ (*c* 1.10, $CHCl_3$)
Source of chirality: asymmetric reduction
Absolute configuration: (1*R*,2*S*)

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*

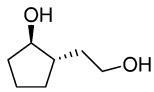


$C_7H_{14}O_2$
(1*R*,2*R*)-2-(2-Hydroxyethyl)cyclopentanol

Ee = 50%
$[\alpha]_D^{25} = -12.4$ (*c* 0.20, $CHCl_3$)
Source of chirality: asymmetric reduction
Absolute configuration: (1*R*,2*R*)

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*

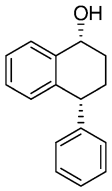


$C_7H_{14}O_2$
(1*R*,2*S*)-2-(2-Hydroxyethyl)cyclopentanol

Ee = 87%
$[\alpha]_D^{20} = -35.3$ (*c* 0.20, $CHCl_3$)
Source of chirality: asymmetric reduction
Absolute configuration: (1*R*,2*S*)

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{16}H_{16}O$

(1*R*,4*R*)-4-Phenyl-1,2,3,4-tetrahydronaphthalen-1-ol

Ee = 95%

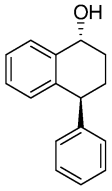
$[\alpha]_D^{24} = -49.4$ (*c* 0.48, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{16}H_{16}O$

(1*R*,4*S*)-4-Phenyl-1,2,3,4-tetrahydronaphthalen-1-ol

Ee = 88%

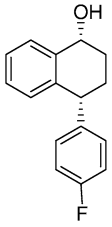
$[\alpha]_D^{24} = -15.7$ (*c* 1.10, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{16}H_{15}FO$

(1*R*,4*R*)-4-(4-Fluorophenyl)-1,2,3,4-tetrahydronaphthalen-1-ol

Ee = 97%

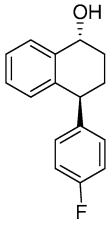
$[\alpha]_D^{24} = -8.8$ (*c* 0.70, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{16}H_{15}FO$

(1*R*,4*S*)-4-(4-Fluorophenyl)-1,2,3,4-tetrahydronaphthalen-1-ol

Ee = 94%

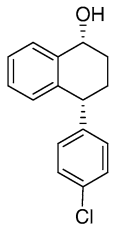
$[\alpha]_D^{27} = -51.4$ (*c* 1.35, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{16}H_{15}ClO$

(1*R*,4*R*)-4-(4-Chlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-ol

Ee = 95%

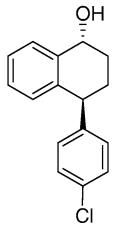
$[\alpha]_D^{25} = -56.9$ (*c* 0.92, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{16}H_{15}ClO$

(1*R*,4*S*)-4-(4-Chlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-ol

Ee = 95%

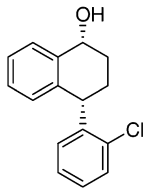
$[\alpha]_D^{25} = -6.9$ (*c* 0.92, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{16}H_{15}ClO$

(1*R*,4*S*)-4-(2-Chlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-ol

Ee = 96%

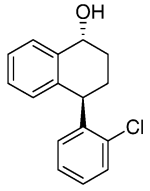
$[\alpha]_D^{24} = -43.4$ (*c* 0.92, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{16}H_{15}ClO$

(1*R*,4*R*)-4-(2-Chlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-ol

Ee = 94%

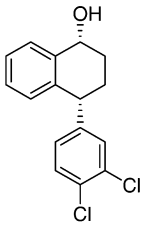
$[\alpha]_D^{24} = -24.7$ (*c* 0.92, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{16}H_{14}Cl_2O$

(1*R*,4*R*)-4-(3,4-Dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-ol

Ee = 97%

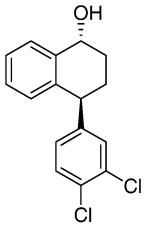
$[\alpha]_D^{24} = -52.5$ (*c* 1.14, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{16}H_{14}Cl_2O$

(1*R*,4*S*)-4-(3,4-Dichlorophenyl)-1,2,3,4-tetrahydronaphthalen-1-ol

Ee = 94%

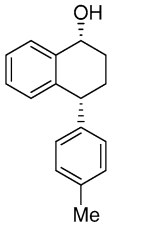
$[\alpha]_D^{24} = 1.48$ (*c* 1.00, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{17}H_{18}O$

(1*R*,4*R*)-4-*p*-Tolyl-1,2,3,4-tetrahydronaphthalen-1-ol

Ee = 94%

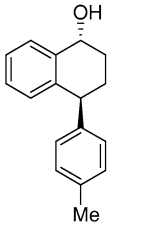
$[\alpha]_D^{24} = -46.84$ (*c* 1.00, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{17}H_{18}O$

(1*R*,4*S*)-4-*p*-Tolyl-1,2,3,4-tetrahydronaphthalen-1-ol

Ee = 91%

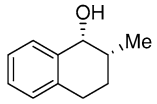
$[\alpha]_D^{25} = -2.86$ (*c* 1.15, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_{11}H_{14}O$

(1*R*,2*R*)-2-Methyl-1,2,3,4-tetrahydronaphthalen-1-ol

Ee = 18%

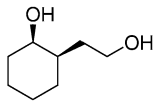
$[\alpha]_D^{20} = 8.97$ (*c* 0.95, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_8H_{16}O_2$

(1*R*,2*R*)-2-(2-Hydroxyethyl)cyclohexanol

Ee = 94%

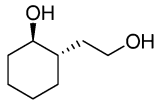
$[\alpha]_D^{25} = -13.2$ (*c* 1.22, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Guangyin Wang, Changwu Zheng and Gang Zhao*

Tetrahedron: Asymmetry *17 (2006) 2074*



$C_8H_{16}O_2$

(1*R*,2*S*)-2-(2-Hydroxyethyl)cyclohexanol

Ee = 88%

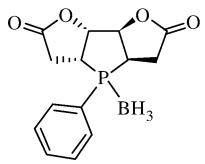
$[\alpha]_D^{23} = -26.2$ (*c* 0.70, $CHCl_3$)

Source of chirality: asymmetric reduction

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

Vitaliy Bilenko, Anke Spannenberg, Wolfgang Baumann, Igor Komarov and Armin Börner*

Tetrahedron: Asymmetry *17 (2006) 2082*



$C_{14}H_{16}BO_4P$

(3a*R*,4a*R*,7a*R*,7b*R*)-4-Phenylperhydrofuro[2′,3′:4,5]phospholo[3,2-*b*]furan-2,6-dione–BH_3 complex

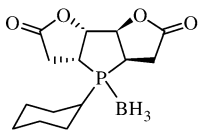
De = >99%, ee = >99%

$[\alpha]_D^{25} = +74.25$ (*c* 2.97, $CHCl_3$)

Source of chirality: natural L-(+)-tartaric acid

Vitaliy Bilenko, Anke Spannenberg, Wolfgang Baumann, Igor Komarov and Armin Börner*

Tetrahedron: Asymmetry *17 (2006) 2082*

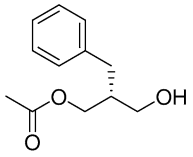


De = >99%, ee = >99%
$[\alpha]_D^{21} = +33.5$ (*c* 5, acetone)
Source of chirality: natural L-(+)-tartaric acid

$C_{14}H_{22}BO_4P$
(3a*S*,4a*S*,7a*S*,7b*S*)-4-Cyclohexylperhydrofuro[2′,3′:4,5]phospholo[3,2-*b*]furan-2,6-dione–BH_3 complex

Daniel Wiktelius, Emma K. Larsson and Kristina Luthman*

Tetrahedron: Asymmetry *17 (2006) 2088*

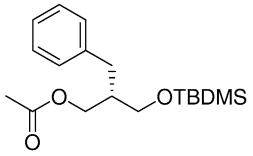


Ee = 96% by HPLC (Chiralpak AD-H) or GC (CP-Chirasil-DEX CB) after derivatization
$[\alpha]_D^{20} = +29$ (*c* 0.9, $CHCl_3$)
Source of chirality: *Burkholderia cepacia* lipase catalyzed desymmetrization by acetylation
Absolute configuration: *R*

$C_{12}H_{16}O_3$
(*R*)-2-Hydroxymethyl-3-phenyl-propyl acetate

Daniel Wiktelius, Emma K. Larsson and Kristina Luthman*

Tetrahedron: Asymmetry *17 (2006) 2088*

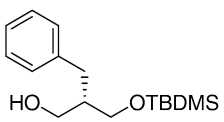


Ee = 96% by HPLC (Chiralcel OD-H)
$[\alpha]_D^{20} = +5.2$ (*c* 1.2, $CHCl_3$)
Source of chirality: *Burkholderia cepacia* lipase
Absolute configuration: *S*

$C_{18}H_{30}O_3Si$
(*S*)-2-Benzyl-3-((*tert*-butyldimethylsilyl)oxy)-propyl acetate

Daniel Wiktelius, Emma K. Larsson and Kristina Luthman*

Tetrahedron: Asymmetry *17 (2006) 2088*

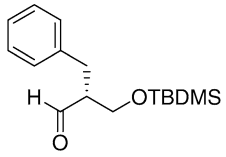


Ee = 96% by HPLC (Chiralcel OD-H)
$[\alpha]_D^{20} = -16$ (*c* 1.1, $CHCl_3$)
Source of chirality: *Burkholderia cepacia* lipase
Absolute configuration: *S*

$C_{16}H_{28}O_2Si$
(*S*)-2-Benzyl-3-((*tert*-butyldimethylsilyl)oxy)-propanol

Daniel Wiktelius, Emma K. Larsson and Kristina Luthman*

Tetrahedron: Asymmetry *17 (2006) 2088*



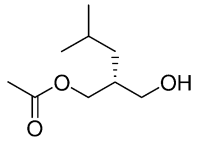
$C_{16}H_{26}O_2Si$

(*R*)-2-Benzyl-3((*tert*-butyldimethylsilyl)oxy)-propanal

Ee = 92% by GC (CP-Chirasil-DEX CB)
$[\alpha]_D^{20} = -54$ (*c* 0.80, $CHCl_3$)
Source of chirality: *Burkholderia cepacia* lipase
Absolute configuration: *R*

Daniel Wiktelius, Emma K. Larsson and Kristina Luthman*

Tetrahedron: Asymmetry *17 (2006) 2088*



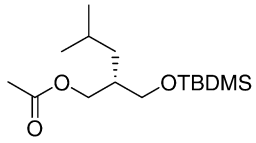
$C_9H_{18}O_3$

(*R*)-2-Hydroxymethyl-4-methylpentyl acetate

Ee = 96% by GC (CP-Chirasil-DEX CB) after derivatization
$[\alpha]_D^{20} = +17$ (*c* 0.99, $CHCl_3$)
Source of chirality: *Pseudomonas fluorescence* lipase catalyzed desymmetrization by acetylation
Absolute configuration: *R*

Daniel Wiktelius, Emma K. Larsson and Kristina Luthman*

Tetrahedron: Asymmetry *17 (2006) 2088*



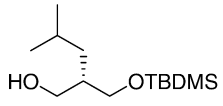
$C_{15}H_{32}O_3Si$

(*S*)-4-Methyl-2-(((*tert*-butyldimethylsilyl)oxy)methyl)-pentyl acetate

Ee = 96% by GC (CP-Chirasil-DEX CB)
$[\alpha]_D^{20} = -0.5$ (*c* 1.0, $CHCl_3$)
Source of chirality: *Pseudomonas fluorescence* lipase
Absolute configuration: *S*

Daniel Wiktelius, Emma K. Larsson and Kristina Luthman*

Tetrahedron: Asymmetry *17 (2006) 2088*



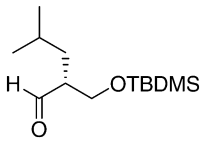
$C_{13}H_{30}O_2Si$

(*S*)-2-(((*tert*-Butyldimethylsilyl)oxy)methyl)-4-methylpentanol

Ee = 92% by GC (CP-Chirasil-DEX CB)
$[\alpha]_D^{20} = -17$ (*c* 0.76, $CHCl_3$)
Source of chirality: *Pseudomonas fluorescence* lipase
Absolute configuration: *S*

Daniel Wiktelius, Emma K. Larsson and Kristina Luthman*

Tetrahedron: Asymmetry *17 (2006) 2088*



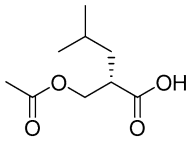
$C_{13}H_{28}O_2Si$

(*R*)-2-(((*tert*-Butyldimethylsilyl)oxy)methyl)-4-methylpentanal

Ee = 92% by GC (CP-Chirasil-DEX CB)
$[\alpha]_D^{20} = -22$ (*c* 0.83, $CHCl_3$)
Source of chirality: *Pseudomonas fluorescence* lipase
Absolute configuration: *R*

Daniel Wiktelius, Emma K. Larsson and Kristina Luthman*

Tetrahedron: Asymmetry *17 (2006) 2088*



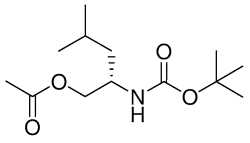
$C_9H_{16}O_4$

(*S*)-2-(Acetyloxymethyl)-4-methylpentanoic acid

Ee not determined (⩽88%)
$[\alpha]_D^{20} = +4.3$ (*c* 1.0, $CHCl_3$)
Source of chirality: *Burkholderia cepacia* lipase
Absolute configuration: *S*

Daniel Wiktelius, Emma K. Larsson and Kristina Luthman*

Tetrahedron: Asymmetry *17 (2006) 2088*



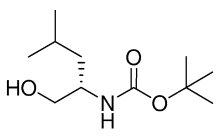
$C_{13}H_{25}NO_4$

(*S*)-2-(*tert*-Butoxycarbonylamino)-4-methylpentyl acetate

Ee not determined (⩽88%)
$[\alpha]_D^{20} = -28$ (*c* 1.0, $CHCl_3$)
Source of chirality: *Burkholderia cepacia* lipase
Absolute configuration: *S*

Daniel Wiktelius, Emma K. Larsson and Kristina Luthman*

Tetrahedron: Asymmetry *17 (2006) 2088*



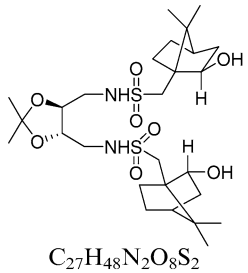
$C_{11}H_{23}NO_3$

(*S*)-2-(*tert*-Butoxycarbonylamino)-4-methylpentanol

Ee not determined (⩽88%)
$[\alpha]_D^{20} = -22$ (*c* 0.95, $CHCl_3$)
Source of chirality: *Burkholderia cepacia* lipase
Absolute configuration: *S*

Ailing Hui, Jintang Zhang, Jinmin Fan and Zhiyong Wang*

Tetrahedron: Asymmetry *17 (2006) 2101*



Ee = 100%
$[\alpha]_D^{25} = -42.6$ (*c* 0.5, $CHCl_3$)

$C_{27}H_{48}N_2O_8S_2$

C-(1*S*,2*R*,4*S*-2-Hydroxy-7,7-dimethyl-bicyclo[2.2.1]hept-1-yl)-*N*-{4*S*,5*S*-5-[(1*S*,2*R*,4*S*-2-hydroxy-7,7-dimethyl-bicyclo[2.2.1]hept-1-ylmethanesulfonylamino)-methyl]-2,2-dimethyl-[1,3]dioxolan-4-ylmethyl}-methanesulfonamide

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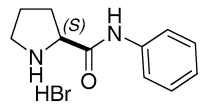
Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*



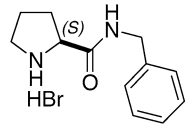
$[\alpha]_D^{20} = -18.0$ (*c* 0.38, MeOH)
Source of chirality: commercially available L-proline

$C_{11}H_{15}N_2OBr$

(*S*)-2-(Phenylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*



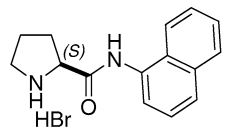
$[\alpha]_D^{20} = -29.0$ (*c* 0.61, MeOH)
Source of chirality: commercially available L-proline

$C_{12}H_{17}N_2OBr$

(*S*)-2-(Benzylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*



$[\alpha]_D^{20} = -16.0$ (*c* 0.54, MeOH)
Source of chirality: commercially available L-proline

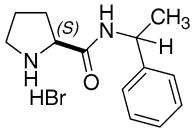
$C_{15}H_{17}N_2OBr$

(*S*)-2-(Naphth-1′-ylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -28.5$ (c 0.56, MeOH)
Source of chirality: commercially available L-proline

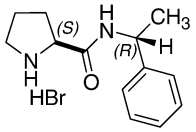


$C_{13}H_{19}N_2OBr$
(2*S*,1′*R*/*S*)-2-(1′-Phenylethylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = +39.0$ (c 0.34, MeOH)
Source of chirality: commercially available L-proline

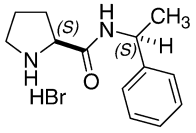


$C_{13}H_{19}N_2OBr$
(2*S*,1′*R*)-2-(1′-Phenylethylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -114.8$ (c 0.25, MeOH)
Source of chirality: commercially available L-proline

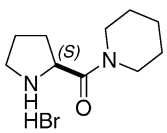


$C_{13}H_{19}N_2OBr$
(2*S*,1′*S*)-2-(1′-Phenylethylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -53.0$ (c 0.54, MeOH)
Source of chirality: commercially available L-proline

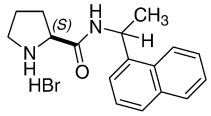


$C_{10}H_{19}N_2OBr$
(*S*)-2-(Piperidine-1′-carbonyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -17.5$ (*c* 0.89, MeOH)
Source of chirality: commercially available L-proline

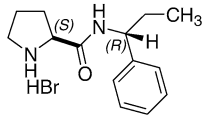


$C_{17}H_{21}N_2OBr$
(2*S*,1′*R*/*S*)-2-(1′-Naphth-1″-yl-ethylcarbamoyl)-pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = +42.0$ (*c* 0.39, MeOH)
Source of chirality: commercially available L-proline

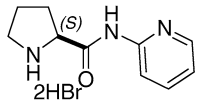


$C_{14}H_{21}N_2OBr$
(2*S*,1′*R*)-2-(1′-Phenylpropylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = +1.5$ (*c* 0.80, MeOH)
Source of chirality: commercially available L-proline

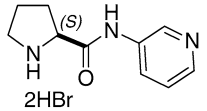


$C_{10}H_{15}N_3OBr_2$
(*S*)-2-(Pyridinium-2′-ylcarbamoyl)pyrrolidinium dibromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = +4.0$ (*c* 0.70, MeOH)
Source of chirality: commercially available L-proline

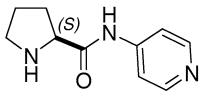


$C_{10}H_{15}N_3OBr_2$
(*S*)-2-(Pyridinium-3′-ylcarbamoyl)pyrrolidinium dibromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = +2.5$ (c 0.65, MeOH)
Source of chirality: commercially available L-proline

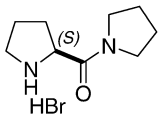


$C_{10}H_{15}N_3OBr_2$
(*S*)-2-(Pyridinium-4′-ylcarbamoyl)pyrrolidinium dibromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -55.5$ (c 0.80, MeOH)
Source of chirality: commercially available L-proline

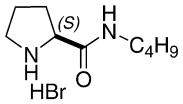


$C_9H_{17}N_2OBr$
(*S*)-2-(Pyrrolidine-1′-carbonyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -14.5$ (c 0.29, MeOH)
Source of chirality: commercially available L-proline

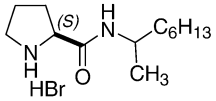


$C_9H_{19}N_2OBr$
(*S*)-2-(Butylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -15.5$ (c 0.62, MeOH)
Source of chirality: commercially available L-proline

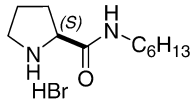


$C_{13}H_{27}N_2OBr$
(*S*)-2-(1′-Methylheptylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -21.0$ (*c* 0.27, MeOH)
Source of chirality: commercially available L-proline

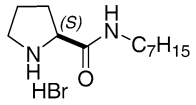


$C_{11}H_{23}N_2OBr$
(*S*)-2-(Hexylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -29.0$ (*c* 1.43, MeOH)
Source of chirality: commercially available L-proline

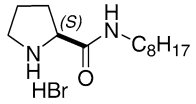


$C_{12}H_{25}N_2OBr$
(*S*)-2-(Heptylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -19.0$ (*c* 0.52, MeOH)
Source of chirality: commercially available L-proline

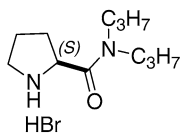


$C_{13}H_{27}N_2OBr$
(*S*)-2-(Octylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -40.0$ (*c* 0.33, MeOH)
Source of chirality: commercially available L-proline

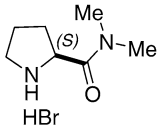


$C_{10}H_{23}N_2OBr$
(*S*)-2-(*N*,*N*-Dipropylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -41.0$ (*c* 0.44, MeOH)
Source of chirality: commercially available L-proline

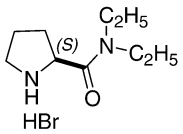


$C_7H_{15}N_2OBr$
(*S*)-2-(*N*,*N*-Dimethylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -41.6$ (*c* 0.31, MeOH)
Source of chirality: commercially available L-proline

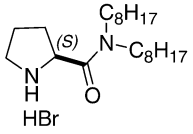


$C_9H_{19}N_2OBr$
(*S*)-2-(*N*,*N*-Diethylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -26.0$ (*c* 0.49, MeOH)
Source of chirality: commercially available L-proline

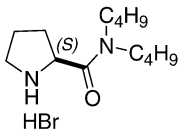


$C_{21}H_{43}N_2OBr$
(*S*)-2-(*N*,*N*-Dioctylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -38.0$ (*c* 0.33, MeOH)
Source of chirality: commercially available L-proline



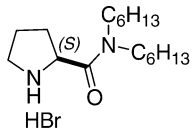
$C_{13}H_{27}N_2OBr$
(*S*)-2-(*N*,*N*-Dibutylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -17.5$ (*c* 0.68, MeOH)

Source of chirality: commercially available L-proline



$C_{17}H_{35}N_2OBr$

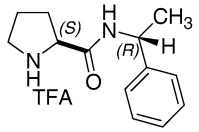
(*S*)-2-(*N*,*N*-Dihexylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = +29.5$ (*c* 0.15, MeOH)

Source of chirality: commercially available L-proline



$C_{15}H_{18}N_2F_3O_3Br$

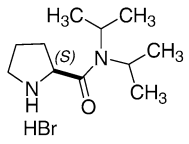
(2*S*,1′*R*)-2-(1′-Phenylethylcarbamoyl)pyrrolidinium trifluoroacetate

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -18.0$ (*c* 1.19, MeOH)

Source of chirality: commercially available L-proline



$C_{11}H_{23}N_2OBr$

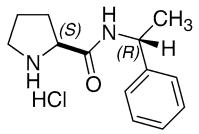
(*S*)-2-(*N*,*N*-Diisopropylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*

$[\alpha]_D^{20} = -37.0$ (*c* 0.32, MeOH)

Source of chirality: commercially available L-proline

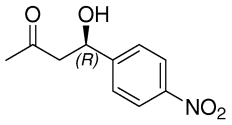


$C_{13}H_{19}N_2OCl$

(2*S*,1′*R*)-2-(1′-Phenylethylcarbamoyl)pyrrolidinium chloride

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*



$C_{10}H_{11}NO_4$

(*R*)-4-Hydroxy-4-(4′-nitrophenyl)butan-2-one

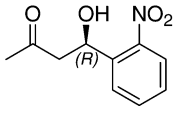
$[\alpha]_D^{20} = +30.0$ (*c* 1.24, CH_2Cl_2)

Ee = 46%

Source of chirality: asymmetric synthesis

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*



$C_{10}H_{11}NO_4$

(*R*)-4-Hydroxy-4-(2′-nitrophenyl)butan-2-one

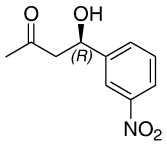
$[\alpha]_D^{20} = -89.0$ (*c* 0.34, CH_2Cl_2)

Ee = 62%

Source of chirality: asymmetric synthesis

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*



$C_{10}H_{11}NO_4$

(*R*)-4-Hydroxy-4-(3′-nitrophenyl)butan-2-one

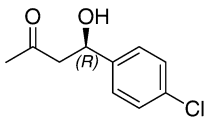
$[\alpha]_D^{20} = +35.0$ (*c* 1.14, CH_2Cl_2)

Ee = 47%

Source of chirality: asymmetric synthesis

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*



$C_{10}H_{11}ClO_2$

(*R*)-4-Hydroxy-4-(4′-chlorophenyl)butan-2-one

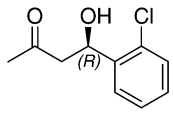
$[\alpha]_D^{20} = +24.4$ (*c* 0.94, CH_2Cl_2)

Ee = 36%

Source of chirality: asymmetric synthesis

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*



$C_{10}H_{11}ClO_2$

(*R*)-4-Hydroxy-4-(2′-chlorophenyl)butan-2-one

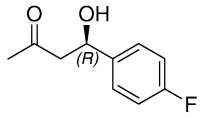
$[\alpha]_D^{20} = +50.0$ (*c* 1.07, CH_2Cl_2)

Ee = 41%

Source of chirality: asymmetric synthesis

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*



$C_{10}H_{11}FO_2$

(*R*)-4-Hydroxy-4-(4′-fluorophenyl)butan-2-one

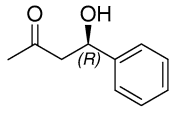
$[\alpha]_D^{20} = +25.9$ (*c* 1.24, CH_2Cl_2)

Ee = 37%

Source of chirality: asymmetric synthesis

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*



$C_{10}H_{12}O_2$

(*R*)-4-Hydroxy-4-phenylbutan-2-one

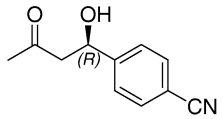
$[\alpha]_D^{20} = +26.5$ (*c* 0.40, CH_2Cl_2)

Ee = 37%

Source of chirality: asymmetric synthesis

Swapandeep Singh Chimni* and Dinesh Mahajan

Tetrahedron: Asymmetry *17 (2006) 2108*



$C_{11}H_{11}NO_2$

(*R*)-4-Hydroxy-4-(4′-cyanophenyl)butan-2-one

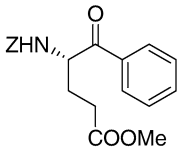
$[\alpha]_D^{20} = +27.0$ (*c* 0.94, CH_2Cl_2)

Ee = 36%

Source of chirality: asymmetric synthesis

Geoffrey Deguest, Laurent Bischoff,* Corinne Fruit and Francis Marsais | *Tetrahedron:* Asymmetry *17 (2006) 2120*

$[\alpha]_D^{20} = +29.0$ (c 1, CH_2Cl_2)

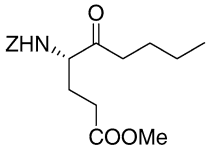


$C_{20}H_{21}NO_5$

(4*S*)-Methyl 4-(benzyloxycarbonylamino)-5-oxo-5-phenylpentanoate

Geoffrey Deguest, Laurent Bischoff,* Corinne Fruit and Francis Marsais | *Tetrahedron:* Asymmetry *17 (2006) 2120*

$[\alpha]_D^{20} = +24.4$ (c 1, CH_2Cl_2)

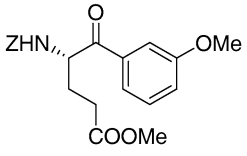


$C_{18}H_{25}NO_5$

(4*S*)-Methyl 4-(benzyloxycarbonylamino)-5-oxononanoate

Geoffrey Deguest, Laurent Bischoff,* Corinne Fruit and Francis Marsais | *Tetrahedron:* Asymmetry *17 (2006) 2120*

$[\alpha]_D^{20} = +23.6$ (c 1, CH_2Cl_2)

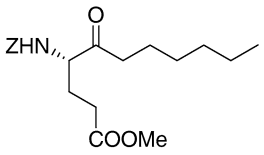


$C_{21}H_{23}NO_6$

(4*S*)-Methyl 4-(benzyloxycarbonylamino)-5-(3-methoxyphenyl)-5-oxopentanoate

Geoffrey Deguest, Laurent Bischoff,* Corinne Fruit and Francis Marsais | *Tetrahedron:* Asymmetry *17 (2006) 2120*

$[\alpha]_D^{20} = +13.1$ (c 1, CH_2Cl_2)



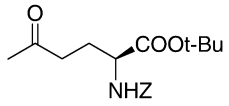
$C_{20}H_{29}NO_5$

(4*S*)-Methyl 4-(benzyloxycarbonylamino)-5-oxoundecanoate

Geoffrey Deguest, Laurent Bischoff,* Corinne Fruit and Francis Marsais

Tetrahedron: Asymmetry *17 (2006) 2120*

$[\alpha]_D^{20} = +6.8$ (c 0.45, $CHCl_3$)



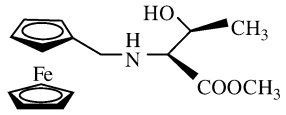
$C_{18}H_{25}NO_5$

(*S*)-*tert*-Butyl 2-(benzyloxycarbonylamino)-5-oxo-5-phenylpentanoate

Min-Can Wang,* Xue-Hui Hou, Chao-Xian Chi and Ming-Sheng Tang*

Tetrahedron: Asymmetry *17 (2006) 2126*

$[\alpha]_D^{20} = -40.8$ (c 1.00, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*,3*S*)



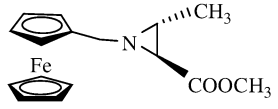
$C_{16}H_{21}FeNO_3$

Methyl (2*S*,3*S*)-*N*-ferrocenylmethyl-allo-L-threomine ester

Min-Can Wang,* Xue-Hui Hou, Chao-Xian Chi and Ming-Sheng Tang*

Tetrahedron: Asymmetry *17 (2006) 2126*

$[\alpha]_D^{20} = -86.6$ (c 0.77, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*,3*R*)



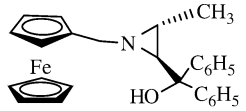
$C_{16}H_{19}FeNO_2$

Methyl (2*S*,3*R*)-1-ferrocenylmethyl-3-methylaziridine-2-carboxylate

Min-Can Wang,* Xue-Hui Hou, Chao-Xian Chi and Ming-Sheng Tang*

Tetrahedron: Asymmetry *17 (2006) 2126*

$[\alpha]_D^{20} = -10.0$ (c 0.46, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*,3*R*)

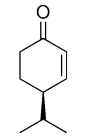


$C_{27}H_{27}FeNO$

(2*S*,3*R*)-1-Ferrocenylmethyl-3-methylaziridin-2-yl(diphenyl)methanol

Kenji Mori

Tetrahedron: Asymmetry *17 (2006) 2133*



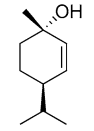
$C_9H_{14}O$

(*R*)-Cryptone

Ee = 91.5% (chiral GC)
$[\alpha]_D^{19} = -86.8$ (*c* 1.06, EtOH)
Source of chirality: (*S*)-perillyl alcohol
Absolute configuration: *R*

Kenji Mori

Tetrahedron: Asymmetry *17 (2006) 2133*



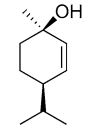
$C_{10}H_{18}O$

(1*S*,4*R*)-4-Isopropyl-1-methyl-2-cyclohexen-1-ol

Ee = 93.3% (chiral GC)
$[\alpha]_D^{19} = -68.7$ (*c* 1.42, hexane)
Source of chirality: (*S*)-perillyl alcohol
Absolute configuration: 1*S*,4*R*

Kenji Mori

Tetrahedron: Asymmetry *17 (2006) 2133*



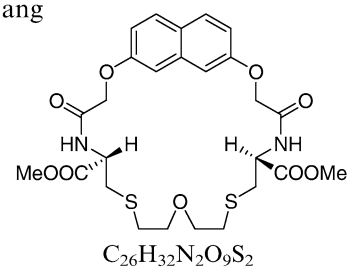
$C_{10}H_{18}O$

(1*R*,4*R*)-4-Isopropyl-1-methyl-2-cyclohexen-1-ol

Ee = 98.7% (chiral GC)
$[\alpha]_D^{22} = +10.3$ (*c* 4.28, hexane)
Source of chirality: (*R*)-limonene oxide
Absolute configuration: 1*R*,4*R*

Haijuan Qin, Yongbing He,* Guangyan Qing, Chenguang Hu and Xi Yang

Tetrahedron: Asymmetry *17 (2006) 2143*



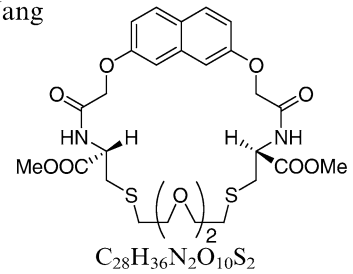
$C_{26}H_{32}N_2O_9S_2$

(6*R*,16*R*)-6,16-Methoxycarbonyl-2,11,20-trioxa-8,14-dithia-5,17-diaza-tricyclo[19.5.3.$0^{24,28}$]nonacosa-1(26),21(29),22,24,27-pentaene-4,18-dione

$[\alpha]_D^{20} = +43.0$ (*c* 0.05, $CHCl_3$)
Source of chirality: L-cysteine
Absolute configuration: (*R*,*R*)

Haijuan Qin, Yongbing He,* Guangyan Qing, Chenguang Hu and Xi Yang

Tetrahedron: Asymmetry *17 (2006) 2143*



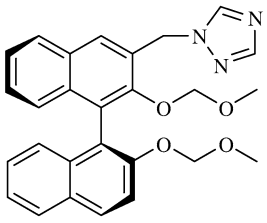
$C_{28}H_{36}N_2O_{10}S_2$

$[\alpha]_D^{20} = +57.4$ (c 0.05, $CHCl_3$)
Source of chirality: L-cysteine
Absolute configuration: (R,R)

(6*R*,19*R*)-6,19-Methoxycarbonyl-2,11,14,23-tetraoxa-8,17-dithia-5,20-diaza-tricyclo[22.5.3.0^{27,31}]dotriaconta-1(29),24(32),25,27,30-pentaene-4,21-dione

Bing Liu, Fu-Yong Jiang, Hai-Bin Song and Jin-Shan Li*

Tetrahedron: Asymmetry *17 (2006) 2149*



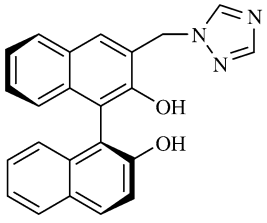
$C_{27}H_{25}N_3O_4$

Ee = 100%
$[\alpha]_D^{25} = -56.6$ (c 1.4, CH_2Cl_2)
Source of chirality: resolution
Absolute configuration: S

(*S*)-3-[(1*H*-1,2,4-Triazol-1-yl)methyl]-2,2′-bis(methoxymethyl)-1,1′-binaphthol

Bing Liu, Fu-Yong Jiang, Hai-Bin Song and Jin-Shan Li*

Tetrahedron: Asymmetry *17 (2006) 2149*



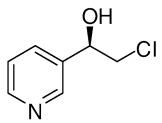
$C_{23}H_{17}N_3O_2$

Ee = 100%
$[\alpha]_D^{25} = -29.3$ (c 0.3, CH_2Cl_2)
Source of chirality: resolution
Absolute configuration: S

(*S*)-3-[(1*H*-1,2,4-Triazol-1-yl)methyl]-1,1′-binaphthol

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



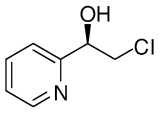
C_7H_8ClNO

Ee = 96%
$[\alpha]_D^{25} = -42$ (c 0.81, methanol)
Absolute configuration: R

(*R*)-3-(1-Hydroxy-2-chloroethyl)-pysidine

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



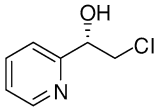
C_7H_8ClNO

(*R*)-2-(1-Hydroxy-2-chloroethyl)-pyridine

Ee = 96%
$[\alpha]_D^{25} = -39$ (*c* 0.94, CH_2Cl_2)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



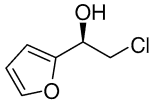
C_7H_8ClNO

(*S*)-2-(1-Hydroxy-2-chloroethyl)-pyridine

Ee = >99%
$[\alpha]_D^{25} = +62$ (*c* 0.94, methanol)
Absolute configuration: *S*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



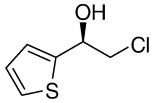
$C_6H_7ClO_2$

(*R*)-2-(1-Hydroxy-2-chloroethyl)-furan

Ee = 98%
$[\alpha]_D^{25} = -18$ (*c* 0.97, methanol)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



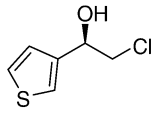
C_6H_7ClOS

(*R*)-2-(1-Hydroxy-2-chloroethyl)-thiophene

Ee = 98%
$[\alpha]_D^{25} = -31$ (*c* 0.91, methylene chloride)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



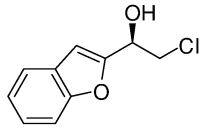
C_6H_7ClOS

(*R*)-3-(1-Hydroxy-2-chloroethyl)-thiophene

Ee = 96%
$[\alpha]_D^{25} = -40$ (*c* 0.85, methylene chloride)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



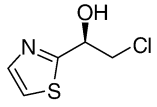
C_8H_9ClO

(*R*)-2-(1-Hydroxy-2-chloroethyl)-benzofuran

Ee = 98%
$[\alpha]_D^{25} = -31$ (*c* 1.03, chloroform)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



C_5H_6ClNOS

(*R*)-2-(1-Hydroxy-2-chloroethyl)-thiazole

Ee = 97%
$[\alpha]_D^{25} = -33$ (*c* 0.92, methylene chloride)
Absolute configuration: *R*

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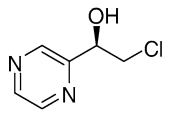
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_6H_7ClN_2O$

(*R*)-2-(1-Hydroxy-2-chloroethyl)-pyrazine

Ee = 76%
$[\alpha]_D^{25} = -40$ (*c* 1.16, methylene chloride)
Absolute configuration: *R*

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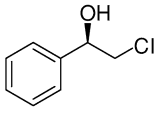
Tetrahedron: Asymmetry *17 (2006) 2154*



C_8H_9ClO

(*R*)-2-Chloro-1-phenylethanol

Ee = >99%
$[\alpha]_D^{25} = -50$ (*c* 0.87, methylene chloride)
Absolute configuration: *R*

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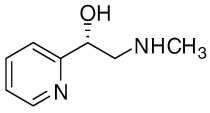
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_8H_{12}N_2O$

(*R*)-2-(1-Hydroxy-2-*N*-methylamino-ethyl)-pyridine

Ee = >96%
$[\alpha]_D^{25} = +49$ (*c* 0.36, methylene chloride)
Absolute configuration: *R*

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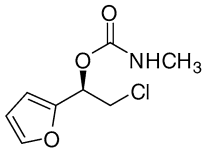
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_8H_{10}ClNO_3$

(*R*)-1-(2-Furyl)-2-chloroethanol–*N*-methylcarbamate

Ee = 98%
$[\alpha]_D^{25} = -102$ (*c* 0.98, chloroform)
Absolute configuration: *R*

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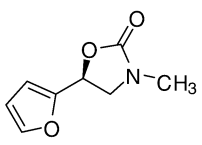
Tetrahedron: Asymmetry *17 (2006) 2154*



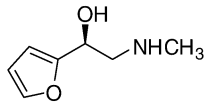
$C_8H_9NO_3$

(5*S*)-3-Methyl-5-(2-furyl)-2-oxazoldinone

Ee = 97%
$[\alpha]_D^{25} = +109$ (*c* 0.97, methylene chloride)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



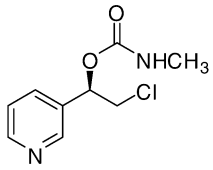
$C_8H_9NO_3$

(*S*)-*N*-Methyl-1-(2-furyl)-2-aminoethanol

Ee = >96%
$[\alpha]_D^{25} = -32$ (*c* 0.91, ethanol)
Absolute configuration: *S*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



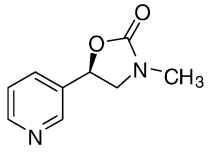
$C_9H_{11}ClN_2O_2$

(*R*)-1-(3-Pyridyl)-2-chloroethanol–*N*-methylcarbamate

Ee = 94.6%
$[\alpha]_D^{25} = -33$ (*c* 0.92, chloroform)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



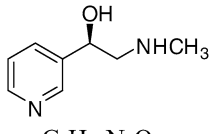
$C_9H_{10}N_2O_2$

(5*R*)-3-Methyl-5-(3-pyridyl)-2-oxazoldinone

Ee = 97.6%
$[\alpha]_D^{25} = -39$ (*c* 1.00, chloroform)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



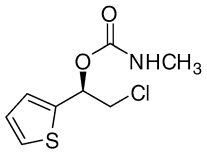
$C_8H_{12}N_2O$

(*R*)-*N*-Methyl-1-(3-pyridyl)-2-aminoethanol

Ee = >96%
$[\alpha]_D^{25} = -67$ (*c* 0.93, methylene chloride)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



$C_8H_{10}ClNO_2S$

(*R*)-1-(2-Thienyl)-2-chloroethanol–*N*-methylcarbamate

Ee = 92.4%
$[\alpha]_D^{25} = -61$ (*c* 0.73, methylene chloride)
Absolute configuration: *R*

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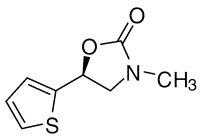
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_8H_9NO_2S$

(5*S*)-3-Methyl-5-(2-thienyl)-2-oxazoldinone

Ee = 98.4%
$[\alpha]_D^{25} = +90$ (*c* 0.96, methylene chloride)
Absolute configuration: *S*

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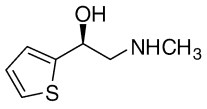
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_7H_{11}NOS$

(*S*)-*N*-Methyl-1-(2-thienyl)-2-aminoethanol

Ee = >98%
$[\alpha]_D^{25} = -24$ (*c* 1.06, methylene chloride)
Absolute configuration: *S*

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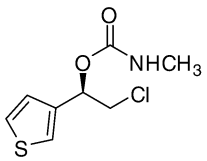
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_8H_{10}ClNO_2S$

(*R*)-1-(3-Thienyl)-2-chloroethanol–*N*-methylcarbamate

Ee = 92.8%
$[\alpha]_D^{25} = -59$ (*c* 0.86, methylene chloride)
Absolute configuration: *R*

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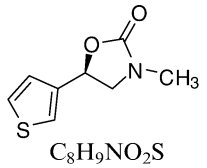
Tetrahedron: Asymmetry *17 (2006) 2154*



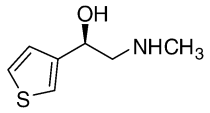
$C_8H_9NO_2S$

(5*R*)-3-Methyl-5-(3-thienyl)-2-oxazoldinone

Ee = >99%
$[\alpha]_D^{25} = +13$ (*c* 0.99, chloroform)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



$C_7H_{11}NOS$

(*R*)-*N*-Methyl-1-(3-thienyl)-2-aminoethanol

Ee = >99%
$[\alpha]_D^{25} = -48$ (*c* 1.07, chloroform)
Absolute configuration: *R*

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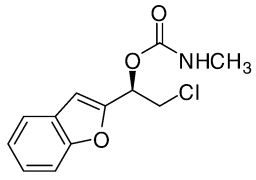
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_{12}H_{12}ClNO_3$

(*R*)-1-(2-Benzofuranyl)-2-chloroethanol–*N*-methylcarbamate

Ee = 98%
$[\alpha]_D^{25} = -110$ (*c* 0.95, chloroform)
Absolute configuration: *R*

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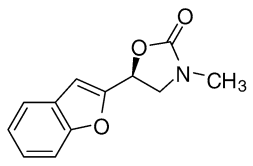
Tetrahedron: Asymmetry *17 (2006) 2154*



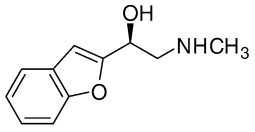
$C_{12}H_{11}NO_3$

(5*S*)-3-Methyl-5-(2-benzofuranyl)-2-oxazoldinone

Ee = 92%
$[\alpha]_D^{25} = +37$ (*c* 1.00, chloroform)
Absolute configuration: *S*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



$C_{11}H_{13}NO_2$

(*S*)-*N*-Methyl-1-(2-benzofuranyl)-2-aminoethanol

Ee = 92%
$[\alpha]_D^{25} = -30$ (*c* 1.02, chloroform)
Absolute configuration: *S*

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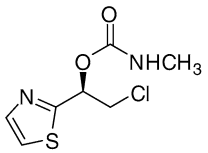
Tetrahedron: Asymmetry *17 (2006) 2154*



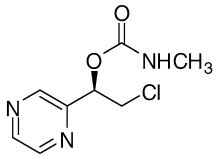
$C_7H_9ClN_2O_2S$

(*R*)-1-(2-Thiazolyl)-2-chloroethanol–*N*-methylcarbamate

Ee = >99%
$[\alpha]_D^{25} = -17$ (*c* 1.10, methylene chloride)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



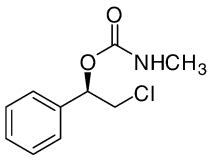
$C_8H_{10}ClN_3O_2$

(*R*)-1-(2-Pyrazinyl)-2-chloroethanol–*N*-methylcarbamate

Ee = 82%
$[\alpha]_D^{25} = -29$ (*c* 1.01, methylene chloride)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



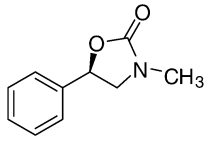
$C_{10}H_{12}ClNO_2$

(*R*)-1-Phenyl-2-chloroethanol–*N*-methylcarbamate

Ee = 98%
$[\alpha]_D^{25} = -15$ (*c* 0.93, methylene chloride)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



$C_{10}H_{11}NO_2$

(5*R*)-3-Methyl-5-phenyl-2-oxazoldinone

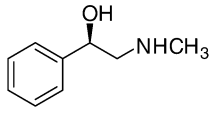
Ee = >98%

$[\alpha]_D^{25} = -41$ (*c* 0.90, chloroform)

Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



$C_9H_{13}NO$

(*R*)-*N*-Methyl-1-phenyl-2-aminoethanol

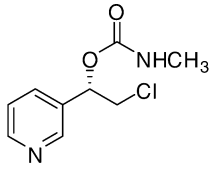
Ee = >98%

$[\alpha]_D^{25} = -38$ (*c* 0.66, EtOH)

Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



$C_9H_{11}ClN_2O_2$

(*S*)-1-(3-Pyridyl)-2-chloroethanol–*N*-methylcarbamate

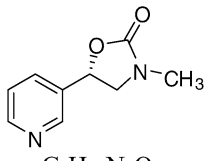
Ee = 96.6%

$[\alpha]_D^{25} = +33$ (*c* 0.96, chloroform)

Absolute configuration: *S*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



$C_9H_{10}N_2O_2$

(5*S*)-3-Methyl-5-(3-pyridyl)-2-oxazoldinone

Ee = 96.6%

$[\alpha]_D^{25} = +40$ (*c* 0.91, chloroform)

Absolute configuration: *S*

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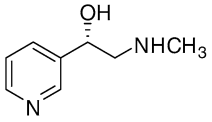
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_8H_{12}N_2O$

(*S*)-*N*-Methyl-1-(3-pyridyl)-2-aminoethanol

Ee = 97.4%
$[\alpha]_D^{25} = +39$ (*c* 0.83, EtOH)
Absolute configuration: *S*

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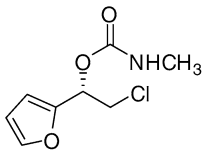

$C_8H_{10}ClNO_3$

(*S*)-1-(2-Furyl)-2-chloroethanol–*N*-methylcarbamate

Ee = 98%
$[\alpha]_D^{25} = +94$ (*c* 1.02, methylene chloride)
Absolute configuration: *S*

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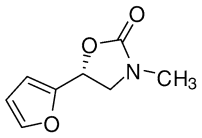

$C_8H_9NO_3$

(5*R*)-3-Methyl-5-(2-furyl)-2-oxazoldinone

Ee = 98%
$[\alpha]_D^{25} = +106$ (*c* 1.01, methylene chloride)
Absolute configuration: *R*

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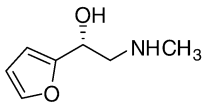
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_7H_{11}NO_2$

(*R*)-*N*-Methyl-1-(2-furyl)-2-aminoethanol

Ee = >96%
$[\alpha]_D^{25} = +32$ (*c* 0.96, EtOH)
Absolute configuration: *R*

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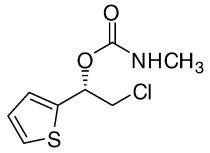
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_8H_{10}ClNO_2S$

(*S*)-1-(2-Thienyl)-2-chloroethanol–*N*-methylcarbamate

Ee = 97%
$[\alpha]_D^{25} = +58$ (*c* 0.97, methylene chloride)
Absolute configuration: *S*

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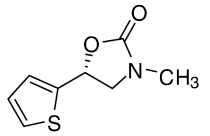
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_8H_9NO_2S$

(5*R*)-3-Methyl-5-(2-thienyl)-2-oxazoldinone

Ee = >98%
$[\alpha]_D^{25} = -94$ (*c* 1.04, methylene chloride)
Absolute configuration: *R*

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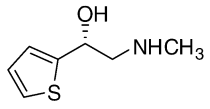

$C_7H_{11}NOS$

(*R*)-*N*-Methyl-1-(2-thienyl)-2-aminoethanol

Ee = >98%
$[\alpha]_D^{25} = +26$ (*c* 1.05, methylene chloride)
Absolute configuration: *R*

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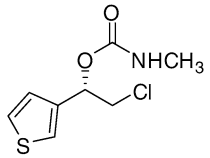
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_8H_{10}ClNO_2S$

(*S*)-1-(3-Thienyl)-2-chloroethanol–*N*-methylcarbamate

Ee = 97%
$[\alpha]_D^{25} = +57$ (*c* 0.73, methylene chloride)
Absolute configuration: *S*

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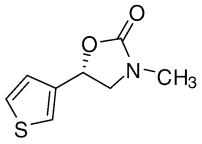
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_8H_9NO_2S$

(5*S*)-3-Methyl-5-(3-thienyl)-2-oxazoldinone

Ee = 97%
$[\alpha]_D^{25} = -14$ (*c* 1.05, chloroform)
Absolute configuration: *S*

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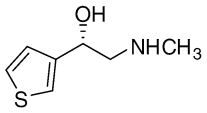
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_7H_{11}NOS$

(*S*)-*N*-Methyl-1-(3-thienyl)-2-aminoethanol

Ee = >99%
$[\alpha]_D^{25} = +48$ (*c* 0.86, chloroform)
Absolute configuration: *S*

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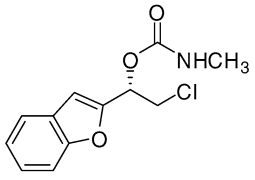
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_{12}H_{12}ClNO_3$

(*S*)-1-(2-Benzofuranyl)-2-chloroethanol–*N*-methylcarbamate

Ee = 98%
$[\alpha]_D^{25} = +101$ (*c* 0.85, chloroform)
Absolute configuration: *S*

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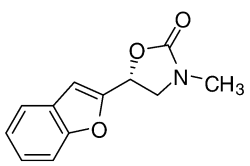
Tetrahedron: Asymmetry *17 (2006) 2154*



$C_{12}H_{11}NO_3$

(5*R*)-3-Methyl-5-(2-benzofuranyl)-2-oxazoldinone

Ee = 92%
$[\alpha]_D^{25} = -38$ (*c* 0.95, chloroform)
Absolute configuration: *S*

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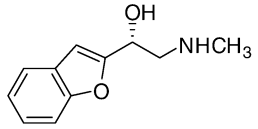

$C_{11}H_{13}NO_2$

(*R*)-*N*-Methyl-1-(2-benzofuranyl)-2-aminoethanol

Ee = 92%
$[\alpha]_D^{25} = +31$ (*c* 1.05, chloroform)
Absolute configuration: *R*

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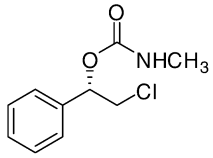


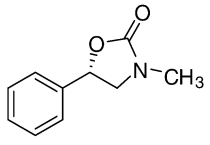
$C_{10}H_{12}ClNO_2$

(*S*)-1-Phenyl-2-chloroethanol–*N*-methylcarbamate

Ee = 97%
$[\alpha]_D^{25} = +13$ (*c* 1.01, methylene chloride)
Absolute configuration: *S*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



$C_{10}H_{11}NO_2$

(5*S*)-3-Methyl-5-phenyl-2-oxazoldinone

Ee = 96%
$[\alpha]_D^{25} = +39$ (*c* 1.03, chloroform)
Absolute configuration: *S*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

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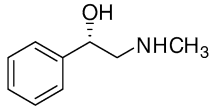


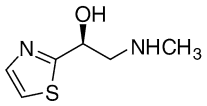
$C_9H_{13}NO$

(*S*)-*N*-Methyl-1-phenyl-2-aminoethanol

Ee = 97%
$[\alpha]_D^{25} = +39$ (*c* 0.83, EtOH)
Absolute configuration: *S*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



$C_6H_{10}N_2OS$

(*S*)-2-(1-Hydroxy-2-*N*-methylamino-ethyl)-thiazole

Ee = >98%
$[\alpha]_D^{25} = -19$ (*c* 1.02, methylene chloride)
Absolute configuration: *S*

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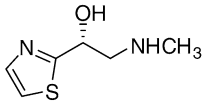
Tetrahedron: Asymmetry *17 (2006) 2154*



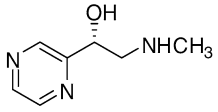
$C_6H_{10}N_2OS$

(*R*)-2-(1-Hydroxy-2-*N*-methylamino-ethyl)-thiazole

Ee = >98%
$[\alpha]_D^{25} = +31$ (*c* 1.02, DMSO)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

Tetrahedron: Asymmetry *17 (2006) 2154*



$C_7H_{11}N_3O$

(*R*)-2-(1-Hydroxy-2-*N*-methylamino-ethyl)-pyrazine

Ee = 77%
$[\alpha]_D^{25} = +58$ (*c* 1.02, methanol)
Absolute configuration: *R*

Steven P. Tanis,* Bruce R. Evans, James A. Nieman, Timothy T. Parker, Wendy D. Taylor, Steven E. Heasley, Paul M. Herrinton,* William R. Perrault, Richard A. Hohler, Lester A. Dolak, Matthew R. Hester and Eric P. Seest

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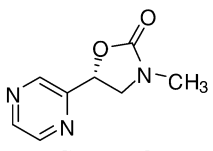

$C_8H_9N_3O$

(5*R*)-3-Methyl-5-(2-pyrazinyl)-2-oxazoldinone

Ee = >96%
$[\alpha]_D^{25} = +20$ (*c* 0.95, methylene chloride)
Absolute configuration: *R*

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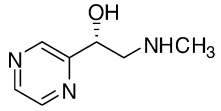

$C_7H_{11}N_3O$

(*R*)-2-(1-Hydroxy-2-*N*-methylamino-ethyl)-pyrazine

Ee = >93%

$[\alpha]_D^{25} = +66$ (*c* 0.95, methanol)

Absolute configuration: *R*