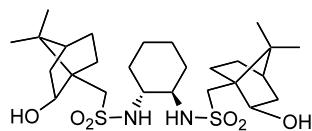


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Tetrahedron: Asymmetry 13 (2002) 2291

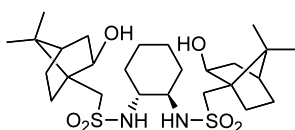
N-{*trans*-2'-[2''-Hydroxy-7'',7''-dimethylbicyclo[2.2.1]hept-1''-ylmethylsulfonamido]cyclohexyl}-2-hydroxy-7,7-dimethylbicyclo[2.2.1]hept-1-ylmetanesulfonamide

 $[\alpha]_{\text{D}}^{25} -37.2$ (c 2.0, CHCl_3)

Source of chirality: D-(+)-10-camphorsulfonyl chloride and (-)-*trans*-1,2-cyclohexyldiamine

Absolute configuration: 1*S*,2*R*,4*S*,1'*R*,2'*R*,1''*S*,2''*R*,4''*S*

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Tetrahedron: Asymmetry 13 (2002) 2291

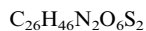
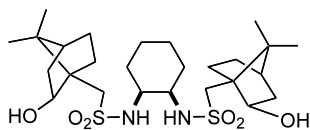
N-{*trans*-2'-[2''-Hydroxy-7'',7''-dimethylbicyclo[2.2.1]hept-1''-ylmethylsulfonamido]cyclohexyl}-2-hydroxy-7,7-dimethylbicyclo[2.2.1]hept-1-ylmetanesulfonamide

 $[\alpha]_{\text{D}}^{25} +54.8$ (c 1.7, CHCl_3)

Source of chirality: L-(-)-10-camphorsulfonyl chloride and (-)-*trans*-1,2-cyclohexyldiamine

Absolute configuration: 1*R*,2*S*,4*R*,1'*R*,2'*R*,1''*R*,2''*S*,4''*R*

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Tetrahedron: Asymmetry 13 (2002) 2291

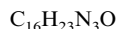
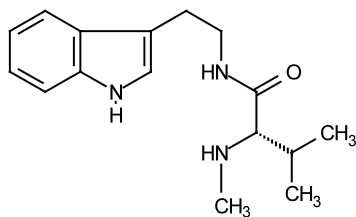
N-{*cis*-2'-[2''-Hydroxy-7'',7''-dimethylbicyclo[2.2.1]hept-1''-ylmethylsulfonamido]cyclohexyl}-2-hydroxy-7,7-dimethylbicyclo[2.2.1]hept-1-ylmetanesulfonamide

 $[\alpha]_{\text{D}}^{25} -40.5$ (c 1.4, CHCl_3)

Source of chirality: D-(+)-10-camphorsulfonyl chloride

Absolute configuration: 1*S*,2*R*,4*S*,1'*S*,2''*R*,4''*S*

Aleksandra Siwicka, Krystyna Wojtasiewicz, Andrzej Leniewski, Jan K. Maurin and Zbigniew Czarnocki*

Tetrahedron: Asymmetry 13 (2002) 2295

(2*S*)-*N*-[2-(1*H*-Indol-3-yl)ethyl]-3-methyl-2-(methylamino)butanamide

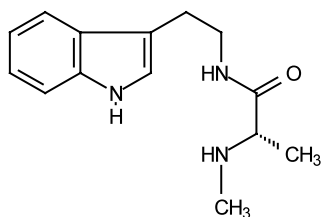
 $[\alpha]_{\text{D}}^{23} = -19.2$ (c 1.00, CHCl_3)

Source of chirality: L-valine

Absolute configuration: (2*S*)

Aleksandra Siwicka, Krystyna Wojtasiewicz, Andrzej Leniewski,
Jan K. Maurin and Zbigniew Czarnocki*

Tetrahedron: Asymmetry 13 (2002) 2295



C₁₄H₁₉N₃O

(2*S*)-*N*-[2-(1*H*-Indol-3-yl)ethyl]-2-(methylamino)propanamide

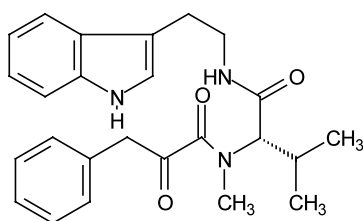
$[\alpha]_D^{23} = -4.2$ (c 1.0, CHCl₃)

Source of chirality: L-alanine

Absolute configuration: 2*S*

Aleksandra Siwicka, Krystyna Wojtasiewicz, Andrzej Leniewski,
Jan K. Maurin and Zbigniew Czarnocki*

Tetrahedron: Asymmetry 13 (2002) 2295



C₂₅H₂₉N₃O₃

(2*S*)-*N*-[2-(1*H*-Indol-3-yl)ethyl]-3-methyl-2-[methyl(2-oxo-3-phenylpropanoyl)amino]butanamide

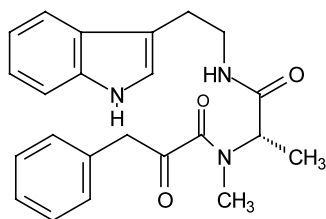
$[\alpha]_D^{23} = -52.3$ (c 1.0, CHCl₃)

Source of chirality: L-valine

Absolute configuration: 2*S*

Aleksandra Siwicka, Krystyna Wojtasiewicz, Andrzej Leniewski,
Jan K. Maurin and Zbigniew Czarnocki*

Tetrahedron: Asymmetry 13 (2002) 2295



C₂₃H₂₅N₃O₃

N-((1*S*)-2-[[2-(1*H*-Indol-3-yl)ethyl]amino]-1-methyl-2-oxoethyl)-*N*-methyl-2-oxo-3-phenylpropanamide

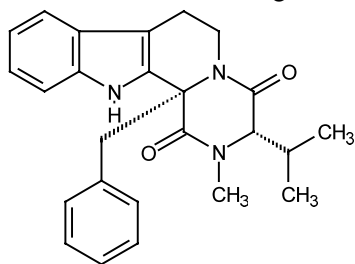
$[\alpha]_D^{23} = -77.2$ (c 1.0, CHCl₃)

Source of chirality: L-alanine

Absolute configuration: 1*S*

Aleksandra Siwicka, Krystyna Wojtasiewicz, Andrzej Leniewski,
Jan K. Maurin and Zbigniew Czarnocki*

Tetrahedron: Asymmetry 13 (2002) 2295



C₂₅H₂₇N₃O₂

(3*S*,12*bR*)-12*b*-Benzyl-3-isopropyl-2-methyl-2,3,6,7,12,12*b*-hexahydropyrazino[1',2':1,2]pyrido[3,4-*b*]indole-1,4-dione

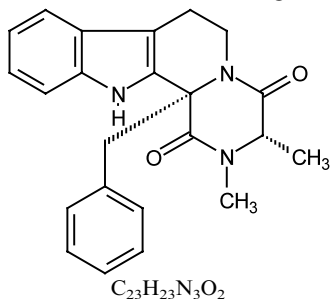
$[\alpha]_D^{23} = -53.2$ (c 1.0, CHCl₃)

Source of chirality: L-valine

Absolute configuration: 3*S*,12*bR*

Aleksandra Siwicka, Krystyna Wojtasiewicz, Andrzej Leniewski,
Jan K. Maurin and Zbigniew Czarnocki*

Tetrahedron: Asymmetry 13 (2002) 2295



$C_{23}H_{23}N_3O_2$

(3*S*,12*bR*)-12*b*-Benzyl-2,3-dimethyl-2,3,6,7,12,12*b*-hexahydropyrazino[1',2':1,2]pyrido[3,4-*b*]indole-1,4-dione

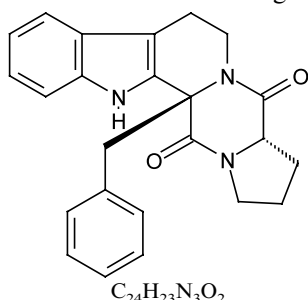
$[\alpha]_D^{23} = -24.6$ (*c* 1.0, $CHCl_3$)

Source of chirality: L-alanine

Absolute configuration: (3*S*,12*bR*)

Aleksandra Siwicka, Krystyna Wojtasiewicz, Andrzej Leniewski,
Jan K. Maurin and Zbigniew Czarnocki*

Tetrahedron: Asymmetry 13 (2002) 2295



$C_{24}H_{23}N_3O_2$

(3*aS*,12*bS*)-12*b*-Benzyl-1,2,3,3*a*,6,7,12,12*b*-octahydro-4*H*,13*H*-pyrrolo[1'',2'':4',5']pyrazino[1',2':1,2]pyrido[3,4-*b*]indole-4,13-dione

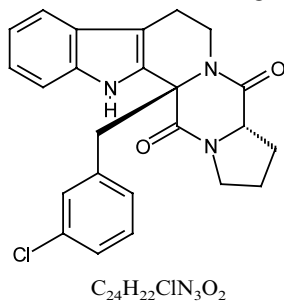
$[\alpha]_D^{23} = +68.6$ (*c* 0.1, $CHCl_3$)

Source of chirality: L-proline

Absolute configuration: 3*aS*,12*bS*

Aleksandra Siwicka, Krystyna Wojtasiewicz, Andrzej Leniewski,
Jan K. Maurin and Zbigniew Czarnocki*

Tetrahedron: Asymmetry 13 (2002) 2295



$C_{24}H_{22}ClN_3O_2$

(3*aS*,12*bS*)-12*b*-(3-Chlorobenzyl)-1,2,3,3*a*,6,7,12,12*b*-octahydro-4*H*,13*H*-pyrrolo[1'',2'':4',5']pyrazino[1',2':1,2]pyrido[3,4-*b*]indole-4,13-dione

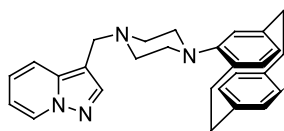
$[\alpha]_D^{20} = +61.4$ (*c* 1.0, $CHCl_3$)

Source of chirality: L-proline

Absolute configuration: 3*aS*,12*bS*

Stefan Löber, Birgit Ortner, Laura Bettinetti, Harald Hübner
and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



$C_{28}H_{30}N_4$

(*R*)-3-(4-[2.2]Paracyclophan-4-yl)piperazin-1-ylmethylpyrazolo[1,5-*a*]pyridine

E.e. >98%

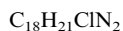
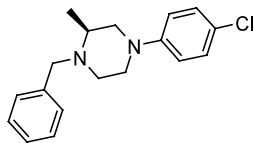
$[\alpha]_D^{20} = +11.4$ (*c* 0.5, $CHCl_3$)

Source of chirality: resolution by microbial hydrolysis

Absolute configuration: *R*

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and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



(*S*)-1-Benzyl-4-(4-chlorophenyl)-2-methylpiperazine

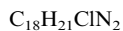
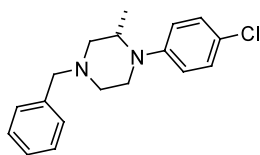
$[\alpha]_D^{20} = +62.8$ (*c* 1, $CHCl_3$)

Source of chirality: natural amino acid

Absolute configuration: *S*

Stefan Löber, Birgit Ortner, Laura Bettinetti, Harald Hübner
and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



(*S*)-4-Benzyl-1-(4-chlorophenyl)-2-methylpiperazine

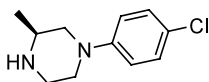
$[\alpha]_D^{20} = -23.1$ (*c* 1, $CHCl_3$)

Source of chirality: natural amino acid

Absolute configuration: *S*

Stefan Löber, Birgit Ortner, Laura Bettinetti, Harald Hübner
and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



(*S*)-1-(4-Chlorophenyl)-3-methylpiperazine

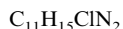
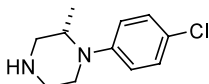
$[\alpha]_D^{20} = -4.3$ (*c* 1, $CHCl_3$)

Source of chirality: natural amino acid

Absolute configuration: *S*

Stefan Löber, Birgit Ortner, Laura Bettinetti, Harald Hübner
and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



(*S*)-1-(4-Chlorophenyl)-2-methylpiperazine

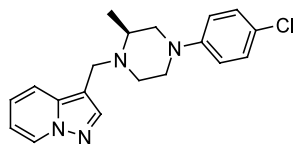
$[\alpha]_D^{20} = -32.0$ (*c* 1, $CHCl_3$)

Source of chirality: natural amino acid

Absolute configuration: *S*

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and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



$C_{19}H_{21}ClN_4$

(*S*)-3-(4-(4-Chlorophenyl)-2-methylpiperazin-1-ylmethyl)pyrazolo[1,5-*a*]pyridine

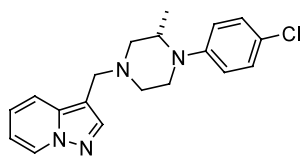
$[\alpha]_D^{20} = 75.6$ (*c* 1, $CHCl_3$)

Source of chirality: natural amino acid

Absolute configuration: *S*

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and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



$C_{19}H_{21}ClN_4$

(*S*)-3-(4-(4-Chlorophenyl)-3-methylpiperazin-1-ylmethyl)pyrazolo[1,5-*a*]pyridine

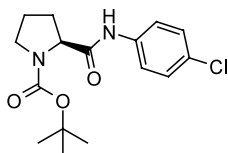
$[\alpha]_D^{20} = -21.6$ (*c* 1, $CHCl_3$)

Source of chirality: natural amino acid

Absolute configuration: *S*

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and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



$C_{16}H_{21}ClN_2O_3$

N-Boc-*L*-proline-4-chlorophenylamide

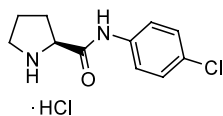
$[\alpha]_D^{20} = -92.3$ (*c* 1, $CHCl_3$)

Source of chirality: natural amino acid

Absolute configuration: *S*

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and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



$C_{11}H_{14}Cl_2N_2O$

L-Proline-4-chlorophenylamide hydrochloride

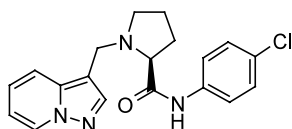
$[\alpha]_D^{20} = -33.0$ (*c* 1, $CHCl_3$)

Source of chirality: natural amino acid

Absolute configuration: *S*

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and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



$C_{19}H_{19}ClN_4O$

N-Pyrazolo[1,5-*a*]pyridin-3-ylmethyl-L-proline-4-chlorophenylamide

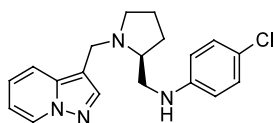
$[\alpha]_D^{20} = -92.0$ (*c* 1, $CHCl_3$)

Source of chirality: natural amino acid

Absolute configuration: *S*

Stefan Löber, Birgit Ortner, Laura Bettinetti, Harald Hübner
and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



$C_{19}H_{21}ClN_4$

(*S*)-(4-Chlorophenyl)-(1-(pyrazolo[1,5-*a*]pyridin-3-ylmethyl)pyrrolidin-1-ylmethyl)amine

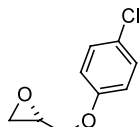
$[\alpha]_D^{20} = -38.0$ (*c* 1, $CHCl_3$)

Source of chirality: natural amino acid

Absolute configuration: *S*

Stefan Löber, Birgit Ortner, Laura Bettinetti, Harald Hübner
and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



$C_9H_9ClO_2$

(*S*)-2-(4-Chlorophenoxy)methyl oxirane

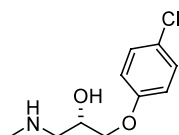
$[\alpha]_D^{20} = 3.2$ (*c* 1, $CHCl_3$)

Source of chirality: chiral catalyst

Absolute configuration: *S*

Stefan Löber, Birgit Ortner, Laura Bettinetti, Harald Hübner
and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



$C_{10}H_{14}ClNO_2$

(*S*)-1-(4-Chlorophenoxy)-3-methylaminopropan-2-ol

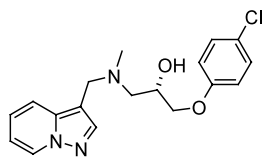
$[\alpha]_D^{20} = -5.0$ (*c* 1, $CHCl_3$)

Source of chirality: chiral catalyst

Absolute configuration: *S*

Stefan Löber, Birgit Ortner, Laura Bettinetti, Harald Hübner
and Peter Gmeiner*

Tetrahedron: Asymmetry 13 (2002) 2303



$C_{18}H_{20}ClN_3O_2$

(*S*)-1-(4-Chlorophenoxy)-3-(*N*-methyl-*N*-(pyrazolo[1,5-*a*]pyridin-3-ylmethyl)amino)propan-2-ol

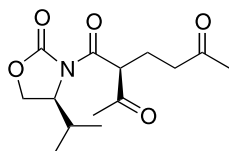
$[\alpha]_D^{20} = -26.0$ (*c* 0.5, $CHCl_3$)

Source of chirality: chiral catalyst

Absolute configuration: *S*

Laura Palombi,* Marta Feroci, Monica Orsini and Achille Inesi*

Tetrahedron: Asymmetry 13 (2002) 2311



$C_{14}H_{21}NO_5$

(*3S*)--{[(*4S*)-4-Isopropyl-2-oxo-1,3-oxazolidin-3-yl]carbonyl}heptane-2,6-dione

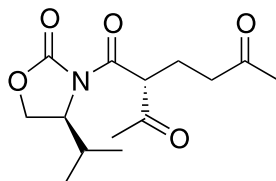
$[\alpha]_D = +130.6$ (*c* 0.735, AcOEt)

Source of chirality: asymmetric synthesis

Absolute configuration: 4*S*,3*S*

Laura Palombi,* Marta Feroci, Monica Orsini and Achille Inesi*

Tetrahedron: Asymmetry 13 (2002) 2311



$C_{14}H_{21}NO_5$

(*3R*)--{[(*4S*)-4-Isopropyl-2-oxo-1,3-oxazolidin-3-yl]carbonyl}heptane-2,6-dione

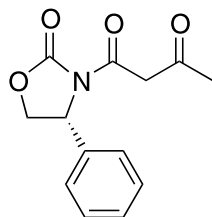
$[\alpha]_D = -12.9$ (*c* 0.695, AcOEt)

Source of chirality: asymmetric synthesis

Absolute configuration: 4*S*,3*R*

Laura Palombi,* Marta Feroci, Monica Orsini and Achille Inesi*

Tetrahedron: Asymmetry 13 (2002) 2311



$C_{13}H_{13}NO_4$

(*4R*)-3-Acetoacetyl-4-phenyl-1,3-oxazolidin-2-one

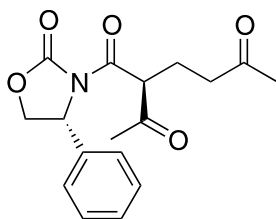
$[\alpha]_D = -78$ (*c* 1.01, $CHCl_3$)

Source of chirality: (*4R*)-phenyl-oxazolidin-2-one

Absolute configuration: *R*

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Tetrahedron: Asymmetry 13 (2002) 2311



C₁₇H₁₉NO₅

(3*S*)-{[(4*R*)-2-Oxo-4-phenyl-1,3-oxazolidin-3-yl]carbonyl}heptane-2,6-dione

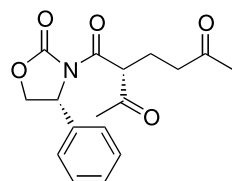
$[\alpha]_D = -39$ (*c* 1.04, CHCl₃)

Source of chirality: asymmetric synthesis

Absolute configuration: 4*R*,3*S*

Laura Palombi,* Marta Feroci, Monica Orsini and Achille Inesi*

Tetrahedron: Asymmetry 13 (2002) 2311



C₁₇H₁₉NO₅

(3*R*)-{[(4*R*)-2-Oxo-4-phenyl-1,3-oxazolidin-3-yl]carbonyl}heptane-2,6-dione

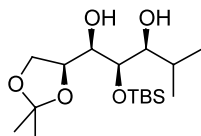
$[\alpha]_D = +114$ (*c* 0.47, CHCl₃)

Source of chirality: asymmetric synthesis

Absolute configuration: 4*R*,3*R*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



C₁₇H₃₆O₅Si

2,2-Dimethyl-4-[2-(*tert*-butyldimethylsilyloxy)-1,3-dihydroxy-4-methylpentyl]-1,3-dioxolane

E.e. >96% (by preparation method)

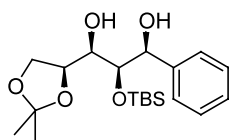
$[\alpha]_D^{25} = -23.7$ (*c* 6.8 in CHCl₃)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 4*S*,1'*R*,2'*R*,3'*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



C₂₀H₃₄O₅Si

2,2-Dimethyl-4-[2-(*tert*-butyldimethylsilyloxy)-1,3-dihydroxy-3-phenylpropyl]-1,3-dioxolane

E.e. >96% (by preparation method)

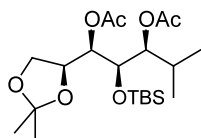
$[\alpha]_D^{25} = -26.3$ (*c* 3.1 in CHCl₃)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 4*S*,1'*R*,2'*R*,3'*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



$C_{21}H_{40}O_7Si$

3-Acetoxy-2-(*tert*-butyldimethylsilyloxy)-3-(2,2-dimethyl-1,3-dioxolan-4-yl)-4-methylpentyl acetate

E.e. >96% (by preparation method)

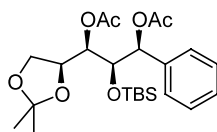
$[\alpha]_D^{22} = -4.8$ (*c* 2 in $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 1*R*,2*R*,3*S*,4'*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



$C_{24}H_{38}O_7Si$

3-Acetoxy-2-(*tert*-butyldimethylsilyloxy)-3-(2,2-dimethyl-1,3-dioxolan-4-yl)-1-phenylpropyl acetate

E.e. >96% (by preparation method)

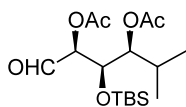
$[\alpha]_D^{22} = -31.5$ (*c* 1 in $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 1*R*,2*R*,3*S*,4'*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



$C_{17}H_{32}O_6Si$

2,4-Diacetoxy-3-(*tert*-butyldiphenylsilyloxy)-5-methylhexanal

E.e. >96% (by preparation method)

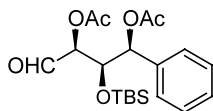
$[\alpha]_D^{22} = +33.9$ (*c* 0.85, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 2*S*,3*R*,4*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



$C_{20}H_{30}O_6Si$

2,4-Diacetoxy-3-(*tert*-butyldiphenylsilyloxy)-4-phenylbutanal

E.e. >96% (by preparation method)

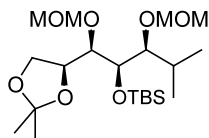
$[\alpha]_D^{22} = +58.4$ (*c* 3.1, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 2*S*,3*R*,4*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



$C_{21}H_{44}O_7Si$

2,2-Dimethyl-4-[2-(*tert*-butyldimethylsilyloxy)-1,3-bis(methoxymethoxy)-4-methylpentyl]-1,3-dioxolane

E.e. >96% (by preparation method)

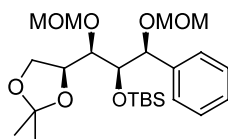
$[\alpha]_D^{22} = -36.6$ (*c* 2, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 4*S*,1'*R*,2'*R*,3'*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



$C_{24}H_{42}O_7Si$

2,2-Dimethyl-4-[2-(*tert*-butyldimethylsilyloxy)-1,3-bis(methoxymethoxy)-3-phenylpropyl]-1,3-dioxolane

E.e. >96% (by preparation method)

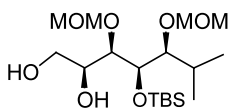
$[\alpha]_D^{22} = +19.8$ (*c* 4.5, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 4*S*,1'*R*,2'*R*,3'*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



$C_{18}H_{40}O_7Si$

4-(*tert*-Butyldimethylsilyloxy)-3,5-bis(methoxymethoxy)-6-methylheptane-1,2-diol

E.e. >96% (by preparation method)

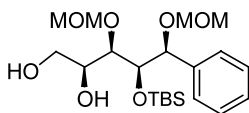
$[\alpha]_D^{22} = +36.3$ (*c* 0.85, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 2*S*,3*R*,4*R*,5*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



$C_{21}H_{38}O_7Si$

4-(*tert*-Butyldimethylsilyloxy)-3,5-bis(methoxymethoxy)-5-phenylpentane-1,2-diol

E.e. >96% (by preparation method)

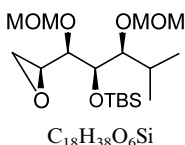
$[\alpha]_D^{22} = +79.4$ (*c* 1.25, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 2*S*,3*R*,4*R*,5*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



2-[2-(*tert*-Butyldimethylsilyloxy)-1,3-bis(methoxymethoxy)-4-methylbutyl]oxirane

E.e. >96% (by preparation method)

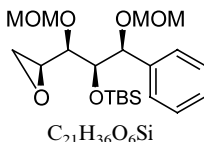
$[\alpha]_D^{22} = -47.1$ (*c* 2, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 2*S*,1'*R*,2'*R*,3'*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



2-[2-(*tert*-Butyldimethylsilyloxy)-1,3-bis(methoxymethoxy)-3-phenylpropyl]oxirane

E.e. >96% (by preparation method)

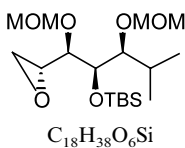
$[\alpha]_D^{22} = +57.8$ (*c* 2, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 2*S*,1'*R*,2'*R*,3'*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



2-[2-(*tert*-Butyldimethylsilyloxy)-1,3-bis(methoxymethoxy)-4-methylbutyl]oxirane

E.e. >96% (by preparation method)

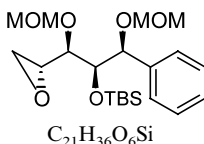
$[\alpha]_D^{22} = -34$ (*c* 0.5, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 2*R*,1'*R*,2'*R*,3'*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



2-[2-(*tert*-Butyldimethylsilyloxy)-1,3-bis(methoxymethoxy)-3-phenylpropyl]oxirane

E.e. >96% (by preparation method)

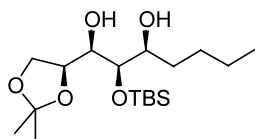
$[\alpha]_D^{22} = +56.8$ (*c* 1.6, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 2*R*,1'*R*,2'*R*,3'*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



$C_{18}H_{38}O_5Si$

2,2-Dimethyl-4-[2-(*tert*-butyldimethylsilyloxy)-1,3-dihydroxyheptyl]-1,3-dioxolane

E.e. >96% (by preparation method)

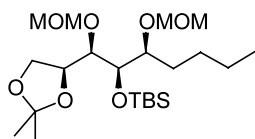
$[\alpha]_D^{22} = -2.1$ (c 1.5, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 4*S*,1'*R*,2'*R*,3'*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



$C_{22}H_{46}O_7Si$

2,2-Dimethyl-4-[2-(*tert*-butyldimethylsilyloxy)-1,3-bis(methoxymethoxy)heptyl]-1,3-dioxolane

E.e. >96% (by preparation method)

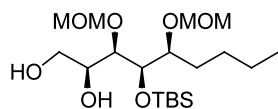
$[\alpha]_D^{22} = -10.2$ (c 1.7, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 4*S*,1'*R*,2'*R*,3'*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



$C_{19}H_{42}O_7Si$

4-(*tert*-Butyldimethylsilyloxy)-3,5-bis(methoxymethoxy)nonane-1,2-diol

E.e. >96% (by preparation method)

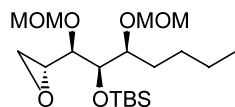
$[\alpha]_D^{22} = +17.6$ (c 0.7, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 2*S*,3*R*,4*R*,5*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



$C_{19}H_{40}O_6Si$

2-[2-(*tert*-Butyldimethylsilyloxy)-1,3-bis(methoxymethoxy)heptyl]oxirane

E.e. >96% (by preparation method)

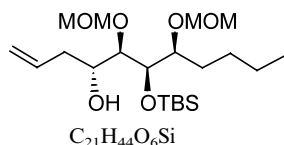
$[\alpha]_D^{22} = +3.2$ (c 2.2, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 2*R*,1'*R*,2'*R*,3'*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



6-(*tert*-Butyldimethylsilyloxy)-5,7-bis(methoxymethoxy)undec-1-en-4-ol

E.e. >96% (by preparation method)

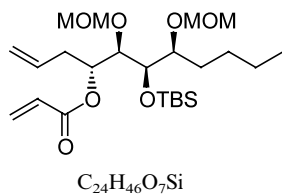
$[\alpha]_D^{22} = +26.3$ (*c* 0.9, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 4*R*,5*R*,6*R*,7*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



6-(*tert*-Butyldimethylsilyloxy)-5,7-bis(methoxymethoxy)undec-1-en-4-yl acrylate

E.e. >96% (by preparation method)

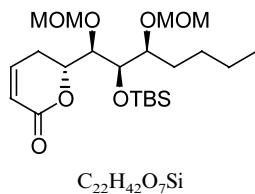
$[\alpha]_D^{22} = +43.4$ (*c* 1, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 4*R*,5*R*,6*R*,7*S*

Juan Murga, Eva Falomir, Miguel Carda* and J. Alberto Marco*

Tetrahedron: Asymmetry 13 (2002) 2317



6-[2-(*tert*-Butyldimethylsilyloxy)-1,3-bis(methoxymethoxy)heptyl]-5,6-dihydropyran-2-one

E.e. >96% (by preparation method)

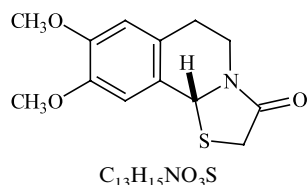
$[\alpha]_D^{22} = +43.8$ (*c* 1.25, $CHCl_3$)

Source of chirality: synthesis from L-erythrose

Absolute configuration: 5*R*,1'*R*,2'*R*,3'*S*

M. D. Rozwadowska,* A. Sulima and A. Gzella

Tetrahedron: Asymmetry 13 (2002) 2329



(*R*)-(+)-8,9-Dimethoxy-6,10b-dihydro-5*H*-thiazolo[2,3-*a*]isoquinolin-3-one

E.e. 100%

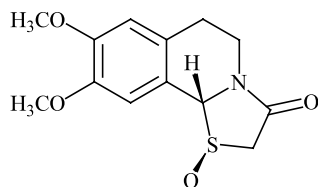
$[\alpha]_D +436$ (*c* 0.5, $CHCl_3$)

Source of chirality: (-)-(1*R*,2*S*,5*R*)-menthyl thioglycolate

Absolute configuration: *R*

M. D. Rozwadowska,* A. Sulima and A. Gzella

Tetrahedron: Asymmetry 13 (2002) 2329



$C_{13}H_{15}NO_4S$

(1*R*,10*bR*)-(+)-8,9-Dimethoxy-6,10*b*-dihydro-1-oxo-5*H*-thiazolo[2,3-*a*]isoquinolin-3-one

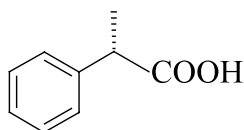
$[\alpha]_D +62.9$ (*c* 0.35, $CHCl_3$)

Source of chirality: (*R*)-(+)-8,9-dimethoxy-6,10*b*-dihydro-5*H*-thiazolo[2,3-*a*]isoquinolin-3-one

Absolute configuration: 1*R*,10*bR*

Raffaella Gandolfi, Antonella Borrometi, Andrea Romano,
José V. Sinisterra Gago and Francesco Molinari*

Tetrahedron: Asymmetry 13 (2002) 2345



E.e. >98%

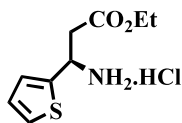
$[\alpha]_D^{20} = +71-72$ (*c* 1.6, $CHCl_3$)

Source of chirality: enzymatic reaction

Absolute configuration: *S*

Magdolna Solymár, Ferenc Fülöp and Liisa T. Kanerva*

Tetrahedron: Asymmetry 13 (2002) 2383



$C_9H_{14}ClNO_2S$

Ethyl (*R*)-3-amino-3-(2-thienyl)propanoate hydrochloride

ee = 98% by GC on CP-Chirasil-L-Val column

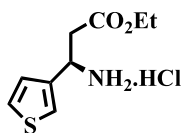
$[\alpha]_D^{25} = +4.6$ (*c* 1.00, MeOH)

Source of chirality: CAL-A-catalysed enantioselective acylation

Absolute configuration: *R*

Magdolna Solymár, Ferenc Fülöp and Liisa T. Kanerva*

Tetrahedron: Asymmetry 13 (2002) 2383



$C_9H_{14}ClNO_2S$

Ethyl (*R*)-3-amino-3-(3-thienyl)propanoate hydrochloride

ee >99% by GC on CP-Chirasil-L-Val column

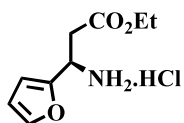
$[\alpha]_D^{25} = +1.0$ (*c* 1.00, MeOH)

Source of chirality: CAL-A-catalysed enantioselective acylation

Absolute configuration: *R*

Magdolna Solymár, Ferenc Fülöp and Liisa T. Kanerva*

Tetrahedron: Asymmetry 13 (2002) 2383



C₉H₁₄ClNO₃

Ethyl (*R*)-3-amino-3-(2-furyl)propanoate hydrochloride

ee=96% by GC on CP-Chirasil-L-Val column

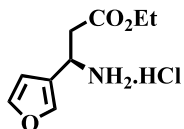
$[\alpha]_D^{25} = +9.50$ (*c* 1.00, MeOH)

Source of chirality: CAL-A-catalysed enantioselective acylation

Absolute configuration: *R*

Magdolna Solymár, Ferenc Fülöp and Liisa T. Kanerva*

Tetrahedron: Asymmetry 13 (2002) 2383



C₉H₁₄ClNO₃

Ethyl (*R*)-3-amino-3-(3-furyl)propanoate hydrochloride

ee >99% by GC on CP-Chirasil-L-Val column

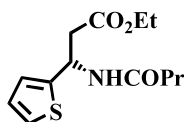
$[\alpha]_D^{25} = +7.25$ (*c* 1.00, MeOH)

Source of chirality: CAL-A-catalysed enantioselective acylation

Absolute configuration: *R*

Magdolna Solymár, Ferenc Fülöp and Liisa T. Kanerva*

Tetrahedron: Asymmetry 13 (2002) 2383



C₁₃H₁₉NO₃S

Ethyl (*S*)-3-butyrylamino-3-(2-thienyl)propanoate

ee=96% by GC on CP-Chirasil-L-Val column

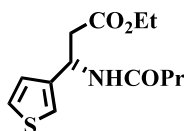
$[\alpha]_D^{25} = -84.2$ (*c* 1.00, MeOH)

Source of chirality: CAL-A-catalysed enantioselective acylation

Absolute configuration: *S*

Magdolna Solymár, Ferenc Fülöp and Liisa T. Kanerva*

Tetrahedron: Asymmetry 13 (2002) 2383



C₁₃H₁₉NO₃S

Ethyl (*S*)-3-butyrylamino-3-(3-thienyl)propanoate

ee=96% by GC on CP-Chirasil-L-Val column

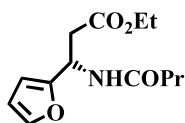
$[\alpha]_D^{25} = -83.1$ (*c* 1.00, MeOH)

Source of chirality: CAL-A-catalysed enantioselective acylation

Absolute configuration: *S*

Magdolna Solymár, Ferenc Fülöp and Liisa T. Kanerva*

Tetrahedron: Asymmetry 13 (2002) 2383



C₁₃H₁₉NO₄

Ethyl (*S*)-3-butyrylamino-3-(2-furyl)propanoate

ee=93% by GC on CP-Chirasil-L-Val column

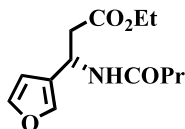
$[\alpha]_D^{25} = -84.5$ (c 1.00, MeOH)

Source of chirality: CAL-A-catalysed enantioselective acylation

Absolute configuration: *S*

Magdolna Solymár, Ferenc Fülöp and Liisa T. Kanerva*

Tetrahedron: Asymmetry 13 (2002) 2383



C₁₃H₁₉NO₄

Ethyl (*S*)-3-butyrylamino-3-(3-furyl)propanoate

ee=99% by GC on CP-Chirasil-L-Val column

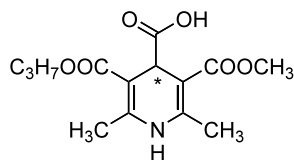
$[\alpha]_D^{25} = -57.1$ (c 1.00, MeOH)

Source of chirality: CAL-A-catalysed enantioselective acylation

Absolute configuration: *S*

Arkadij Sobolev, Maurice C. R. Franssen,* Janis Poikans,
Gunars Duburs and Aede de Groot

Tetrahedron: Asymmetry 13 (2002) 2389



C₁₄H₁₉NO₆

(+)-3-(Methoxycarbonyl)-2,6-dimethyl-5-(propoxycarbonyl)-1,4-dihydro-4-pyridinecarboxylic acid

E.e. = 61%

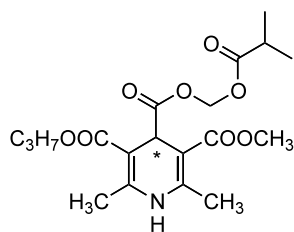
$[\alpha]_D^{20} = +2.0$ (c 2, MeOH)

Source of chirality: enzymatic hydrolysis

Absolute configuration: not known

Arkadij Sobolev, Maurice C. R. Franssen,* Janis Poikans,
Gunars Duburs and Aede de Groot

Tetrahedron: Asymmetry 13 (2002) 2389



C₁₉H₂₇NO₈

(+)-4-[(Isobutyryloxy)methyl] 3-methyl 5-propyl 2,6-dimethyl-1,4-dihydro-3,4,5-pyridinetricarboxylate

E.e. = 65%

$[\alpha]_D^{20} = +2.8$ (c 1, CHCl₃)

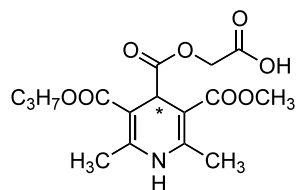
$[\alpha]_D^{20} = +4.4$ (c 1, MeOH)

Source of chirality: enzymatic hydrolysis

Absolute configuration: not known

Arkadij Sobolev, Maurice C. R. Franssen,* Janis Poikans,
Gunars Duburs and Aede de Groot

Tetrahedron: Asymmetry 13 (2002) 2389



$C_{16}H_{21}NO_8$

(+)-4-Carboxymethyl 3-methyl 5-propyl 2,6-dimethyl-1,4-dihydro-3,4,5-pyridinetricarboxylate

E.e. = 93%

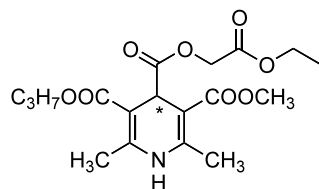
$[\alpha]_D^{20} = +7.0$ (c 1, MeOH)

Source of chirality: enzymatic hydrolysis

Absolute configuration: not known

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$C_{18}H_{25}NO_8$

(-)-4-Ethoxycarbonylmethyl 3-methyl 5-propyl 2,6-dimethyl-1,4-dihydro-3,4,5-pyridinetricarboxylate

E.e. = 81%

$[\alpha]_D^{20} = -5.3$ (c 1, $CHCl_3$)

Source of chirality: enzymatic hydrolysis

Absolute configuration: not known