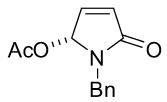
Sho Yamashita, Nobuyuki Mase, Kunihiko Takabe *

Tetrahedron: Asymmetry *19 (2008) 2115*



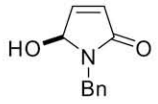
$C_{13}H_{13}NO_3$

(*R*)-1-Benzyl-5-oxo-2,5-dihydro-1*H*-pyrrol-2-yl acetate

Ee = >99% (chiral HPLC)
$[\alpha]_D^{27} = -44.7$ (*c* 0.97, $CHCl_3$)
Source of chirality: enzymatic resolution
Absolute configuration: (*R*)

Sho Yamashita, Nobuyuki Mase, Kunihiko Takabe *

Tetrahedron: Asymmetry *19 (2008) 2115*



$C_{11}H_{11}NO_2$

(*S*)-1-Benzyl-5-hydroxy-1*H*-pyrrol-2(5*H*)-one

Ee = >99% (chiral HPLC)
$[\alpha]_D^{27} = -35.0$ (*c* 1.08, $CHCl_3$)
Source of chirality: enzymatic resolution
Absolute configuration: (*S*)

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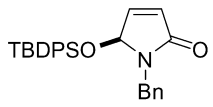
Tetrahedron: Asymmetry *19 (2008) 2115*



$C_{27}H_{29}NO_2Si$

(*S*)-1-Benzyl-5-(*tert*-butyldiphenylsilyloxy)-1*H*-pyrrol-2(5*H*)-one

Ee = >99% (chiral HPLC)
$[\alpha]_D^{25} = +15.5$ (*c* 1.00, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

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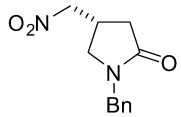
Tetrahedron: Asymmetry *19 (2008) 2115*



$C_{12}H_{14}N_2O_3$

(*R*)-1-Benzyl-4-(nitromethyl)pyrrolidin-2-one

Ee = >99% (chiral HPLC)
$[\alpha]_D^{29} = +13.7$ (*c* 0.50, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: (*R*)

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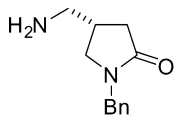

$C_{12}H_{16}N_{2O}$

(*S*)-Nebracetam ((*S*)-4-(aminomethyl)-1-benzylpyrrolidin-2-one)

$[\alpha]_D^{26} = -8.0$ (*c* 1.00, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

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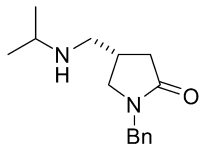
Tetrahedron: Asymmetry *19 (2008) 2115*



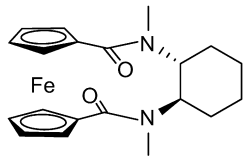
$C_{15}H_{22}N_2O$

(*S*)-1-Benzyl-4-((isopropylamino)methyl)pyrrolidin-2-one

$[\alpha]_D^{30} = -7.5$ (*c* 1.01, MeOH)
Source of chirality: asymmetric synthesis
Absolute configuration: (*S*)

Georgi Stavrakov, Svetlana Simova, Vladimir Dimitrov *

Tetrahedron: Asymmetry *19 (2008) 2119*



$C_{20}H_{24}FeN_2O_2$

(*R*,*R*)-1,1′-[*N*,*N*′-(1,2-Cyclohexane-1,2-diyl)bis(*N*-methylcarboxamide)]ferrocene

Ee = 98%
$[\alpha]_D = +128.4$ (*c* 0.43, $CHCl_3$)
Source of chirality: (*R*,*R*)-1,2-diaminocyclohexane (98% ee)
Absolute configuration: (*R*,*R*)

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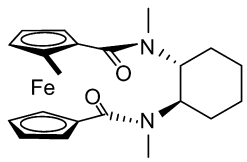
Tetrahedron: Asymmetry *19 (2008) 2119*



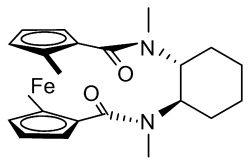
$C_{21}H_{26}FeN_2O_2$

(*R*,*R*,R_p)-1,1′-[*N*,*N*′-(1,2-Cyclohexane-1,2-diyl)bis(*N*-methylcarboxamide)]2-methylferrocene

De >98.5% (NMR)
$[\alpha]_D = +0.7$ (*c* 1.03, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (*R*,*R*,R_p)

Georgi Stavrakov, Svetlana Simova, Vladimir Dimitrov *

Tetrahedron: Asymmetry *19 (2008) 2119*



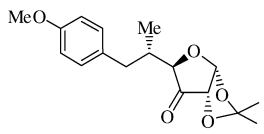
De >98.5% (NMR)
$[\alpha]_D = -10.5$ (c 0.14, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (R,R,R_p,R_p)

$C_{22}H_{28}FeN_2O_2$

(R,R,R_p,R_p)-1,1′-[N,N'-(1,2-Cyclohexane-1,2-diyl)bis(N-methylcarboxamide)]2,2′-dimethylferrocene

Debendra K. Mohapatra,* Gokarneswar Sahoo, Kuppusamy Sankar, Mukund K. Gurjar

Tetrahedron: Asymmetry *19 (2008) 2123*



$[\alpha]_D^{25} = +153.3$ (c 1, $CHCl_3$)
Absolute configuration: (3′R,5R,6′S,S)

$C_{17}H_{22}O_5$

(3′R,5R,6′S)-5-((S)-1-(4-Methoxyphenyl)propan-2-yl)-2,2-dimethylfuro[3,2-d][1,3]dioxol-6(3′H,5H,6′H)-one

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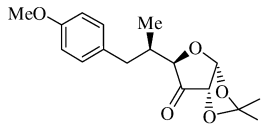
Tetrahedron: Asymmetry *19 (2008) 2123*



$[\alpha]_D^{25} = +109.9$ (c 1.8, $CHCl_3$)
Absolute configuration: (3′R,5R,6′S,R)

$C_{17}H_{22}O_5$

(3′R,5R,6′S)-5-((R)-1-(4-Methoxyphenyl)propan-2-yl)-2,2-dimethylfuro[3,2-d][1,3]dioxol-6(3′H,5H,6′H)-one

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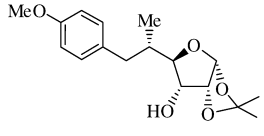
Tetrahedron: Asymmetry *19 (2008) 2123*



$[\alpha]_D^{25} = +48.4$ (c 1, $CHCl_3$)
Absolute configuration: (3′R,5R,6R,6′R,S)

$C_{17}H_{24}O_5$

(3′R,5R,6R,6′R)-5-((S)-1-(4-Methoxyphenyl)propan-2-yl)-2,2-dimethyl-tetrahydrofuro[3,2-d][1,3]dioxol-6-ol

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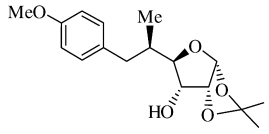
Tetrahedron: Asymmetry *19 (2008) 2123*

$[\alpha]_D^{25} = +37.7$ (*c* 1.1, $CHCl_3$)
Absolute configuration: (3′*R*,5*R*,6*R*,6′*R*,*R*)



$C_{17}H_{24}O_5$

(3′*R*,5*R*,6*R*,6′*R*)-5-((*R*)-1-(4-Methoxyphenyl)propan-2-yl)-2,2-dimethyl-tetrahydrofuro[3,2-*d*][1,3]dioxol-6-ol

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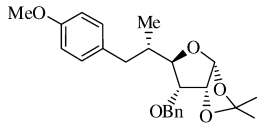
Tetrahedron: Asymmetry *19 (2008) 2123*

$[\alpha]_D^{25} = +72.4$ (*c* 1, $CHCl_3$)
Absolute configuration: (3′*R*,5*R*,6*R*,6′*R*,*S*)



$C_{24}H_{30}O_5$

(3′*R*,5*R*,6*R*,6′*R*)-6-(Benzyloxy)-5-((*S*)-1-(4-methoxyphenyl)propan-2-yl)-2,2-dimethyl-tetrahydrofuro[3,2-*d*][1,3]dioxole

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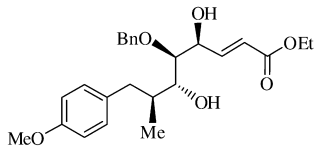
Tetrahedron: Asymmetry *19 (2008) 2123*

$[\alpha]_D^{25} = +14.9$ (*c* 3.3, MeOH)
Absolute configuration: (4*S*,5*R*,6*R*,7*S*)



$C_{25}H_{32}O_6$

(4*S*,5*R*,6*R*,7*S*,*E*)-Ethyl 5-(benzyloxy)-4,6-dihydroxy-8-(4-methoxyphenyl)-7-methyloct-2-enoate

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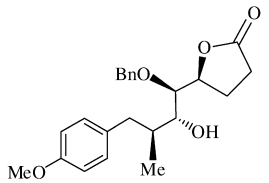
Tetrahedron: Asymmetry *19 (2008) 2123*

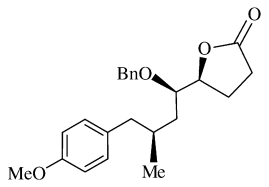
$[\alpha]_D^{25} = -4.8$ (*c* 3.6, MeOH)
Absolute configuration: (*S*,1*R*,2*R*,3*S*)



$C_{23}H_{28}O_5$

(*S*)-5-((1*R*,2*R*,3*S*)-1-(Benzyloxy)-2-hydroxy-4-(4-methoxyphenyl)-3-methylbutyl)-dihydrofuran-2(3*H*)-one

Debendra K. Mohapatra,* Gokarneswar Sahoo, Kuppusamy Sankar, Mukund K. Gurjar | *Tetrahedron:* Asymmetry *19 (2008) 2123*



$[\alpha]_D^{25} = +7.5$ (*c* 1.25, MeOH)
Absolute configuration: (*S*,1*R*,3*S*)

$C_{23}H_{28}O_4$

(*S*)-5-((1*R*,3*S*)-1-(Benzyloxy)-4-(4-methoxyphenyl)-3-methylbutyl)-dihydrofuran-2(3*H*)-one

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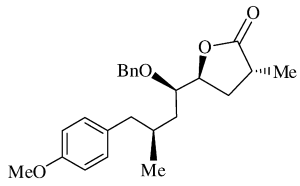

$[\alpha]_D^{25} = +13.3$ (*c* 1, MeOH)
Absolute configuration: (3*R*,5*S*,1*R*,3*S*)

$C_{24}H_{30}O_4$

(3*R*,5*S*)-5-((1*R*,3*S*)-1-(Benzyloxy)-4-(4-methoxyphenyl)-3-methylbutyl)-3-methyl-dihydrofuran-2(3*H*)-one

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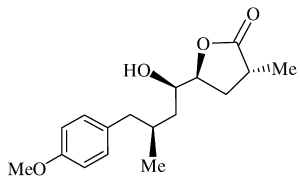

$[\alpha]_D^{25} = +38.0$ (*c* 1.1, $CHCl_3$)
Absolute configuration: (3*R*,5*S*,1*R*,3*S*)

$C_{17}H_{24}O_4$

(3*R*,5*S*)-5-((1*R*,3*S*)-1-Hydroxy-4-(4-methoxyphenyl)-3-methylbutyl)-3-methyl-dihydrofuran-2(3*H*)-one

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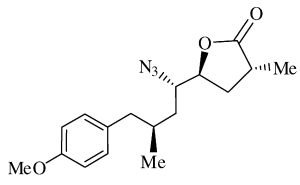

$[\alpha]_D^{25} = +53.6$ (*c* 1, $CHCl_3$)
Absolute configuration: (3*R*,5*S*,1*S*,3*S*)

$C_{17}H_{23}N_3O_3$

(3*R*,5*S*)-5-((1*S*,3*S*)-1-Azido-4-(4-methoxyphenyl)-3-methylbutyl)-3-methyl-dihydrofuran-2(3*H*)-one

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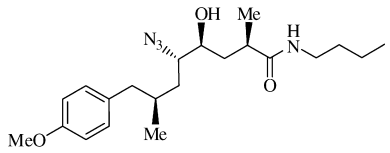

$[\alpha]_D^{25} = -10.5$ (*c* 1, $CHCl_3$)
Absolute configuration: (2*R*,4*S*,5*S*,7*S*)

$C_{21}H_{34}N_4O_3$

(2*R*,4*S*,5*S*,7*S*)-5-Azido-*N*-butyl-4-hydroxy-8-(4-methoxyphenyl)-2,7-dimethyloctanamide

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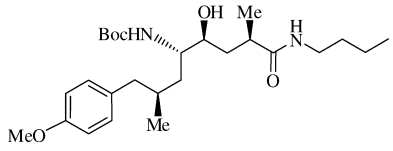
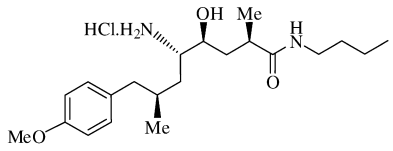


$[\alpha]_D^{25} = -17.6$ (*c* 1, $CHCl_3$)
Absolute configuration: (2*S*,4*S*,5*S*,7*R*)

$C_{26}H_{44}N_2O_5$

tert-Butyl (2*S*,4*S*,5*S*,7*R*)-8-(butylamino)-5-hydroxy-1-(4-methoxyphenyl)-2,7-dimethyl-8-oxooctan-4-ylcarbamate

Debendra K. Mohapatra,* Gokarneswar Sahoo, Kuppusamy Sankar, Mukund K. Gurjar | *Tetrahedron:* Asymmetry *19 (2008) 2123*



$[\alpha]_D^{25} = +6.2$ (*c* 0.5, H_2O)
Absolute configuration: (2*R*,4*S*,5*S*,7*S*)

$C_{21}H_{37}N_2O_3Cl$

(2*R*,4*S*,5*S*,7*S*)-5-Amino-*N*-butyl-4-hydroxy-8-(4-methoxyphenyl)-2,7-dimethyloctanamide hydrochloride salt

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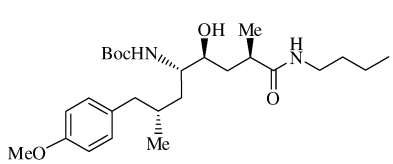


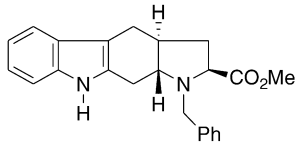
$[\alpha]_D^{25} = -17.9$ (*c* 0.3, $CHCl_3$)
Absolute configuration: (2*R*,4*S*,5*S*,7*R*)

$C_{26}H_{44}N_2O_5$

tert-Butyl (2*R*,4*S*,5*S*,7*R*)-8-(butylamino)-5-hydroxy-1-(4-methoxyphenyl)-2,7-dimethyl-8-oxooctan-4-ylcarbamate

Mar Borregán, Ben Bradshaw, Nativitat Valls, Josep Bonjoch *

Tetrahedron: Asymmetry *19 (2008) 2130*



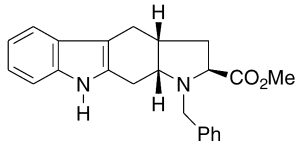
$[\alpha]_D^{22} = -102$ (*c* 1.25, $CHCl_3$)
Source of chirality: L-tyrosine
Absolute configuration: (2*S*,3a*S*,10a*R*)

$C_{23}H_{24}N_2O_2$

(2*S*,3a*S*,10a*R*)-1-Benzyl-2-methoxycarbonyl-1,2,3,3a,4,9,10,10a-octahydropyrrolo[2,3-*b*]carbazole

Mar Borregán, Ben Bradshaw, Nativitat Valls, Josep Bonjoch *

Tetrahedron: Asymmetry *19 (2008) 2130*



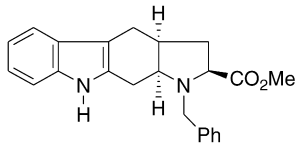
$[\alpha]_D^{22} = -129$ (*c* 2.14, $CHCl_3$)
Source of chirality: L-tyrosine
Absolute configuration: (2*S*,3a*R*,10a*R*)

$C_{23}H_{24}N_2O_2$

(2*S*,3a*R*,10a*R*)-1-Benzyl-2-methoxycarbonyl-1,2,3,3a,4,9,10,10a-octahydropyrrolo[2,3-*b*]carbazole

Mar Borregán, Ben Bradshaw, Nativitat Valls, Josep Bonjoch *

Tetrahedron: Asymmetry *19 (2008) 2130*



$[\alpha]_D^{22} = 3$ (*c* 0.5, $CHCl_3$)
Source of chirality: L-tyrosine
Absolute configuration: (2*S*,3a*S*,10a*S*)

$C_{23}H_{24}N_2O_2$

(2*S*,3a*S*,10a*S*)-1-Benzyl-2-methoxycarbonyl-1,2,3,3a,4,9,10,10a-octahydropyrrolo[2,3-*b*]carbazole

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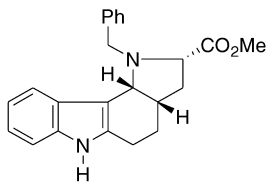
Tetrahedron: Asymmetry *19 (2008) 2130*



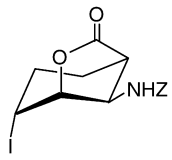
$[\alpha]_D^{22} = -13$ (*c* 1.4, $CHCl_3$)
Source of chirality: L-tyrosine
Absolute configuration: (2*S*,3a*S*,10c*R*)

$C_{23}H_{24}N_2O_2$

(2*S*,3a*S*,10c*R*)-1-Benzyl-2-methoxycarbonyl-1,2,3,3a,4,5,6,10c-octahydropyrrolo[3,2-*c*]carbazole

Olivier Songis, Claude Didierjean, Jean Martinez, Monique Calmès *

Tetrahedron: Asymmetry *19 (2008) 2135*

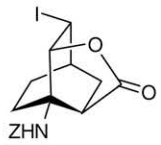


De = 99%
$[\alpha]_D$ = +57 (*c* 0.8, CH_2Cl_2)
Absolute configuration: (1*R*,4*R*,5*R*,8*R*)

8-(Benzyloxcarbonylamino)-2-iodo-6-oxabicyclo[3.2.1]octen-7-one

Olivier Songis, Claude Didierjean, Jean Martinez, Monique Calmès *

Tetrahedron: Asymmetry *19 (2008) 2135*

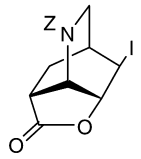


De = 99%
$[\alpha]_D$ = −55 (*c* 0.9, CH_2Cl_2)
Absolute configuration: (1*R*,2*R*,3*R*,6*R*,7*R*)

7-(Benzyloxcarbonylamino)-2-iodo-4-oxa-8-tricyclo[4.3.1.$0^{3,7}$]decan-5-one

Olivier Songis, Claude Didierjean, Jean Martinez, Monique Calmès *

Tetrahedron: Asymmetry *19 (2008) 2135*

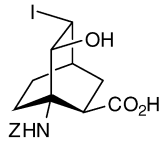


De = 99%
$[\alpha]_D$ = +43 (*c* 1.0, CH_2Cl_2)
Absolute configuration: (1*S*,2*R*,3*R*,6*R*,7*S*)

8-(Benzyloxcarbonyl)-2-iodo-4-oxa-8-azatricyclo[4.3.1.$0^{3,7}$]decan-5-one

Olivier Songis, Claude Didierjean, Jean Martinez, Monique Calmès *

Tetrahedron: Asymmetry *19 (2008) 2135*

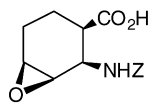


De = 99%
$[\alpha]_D$ = −30 (*c* 0.8, CH_2Cl_2)
Absolute configuration: (1*R*,2*R*,3*R*,4*R*,6*R*)

1-(Benzyloxcarbonylamino)-2-hydroxy-3-iodobicyclo[2.2.2]octane-6-carboxylic acid

Olivier Songis, Claude Didierjean, Jean Martinez, Monique Calmès *

Tetrahedron: Asymmetry *19 (2008) 2135*

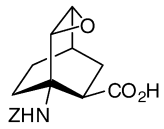


De = 99%
$[\alpha]_D$ = +71 (*c* 0.7, EtOH)
Absolute configuration: (1*R*,2*R*,3*R*,4*S*)

8-(Benzyloxcarbonylamino)-3,4-epoxycyclohexane-1-carboxylic acid

Olivier Songis, Claude Didierjean, Jean Martinez, Monique Calmès *

Tetrahedron: Asymmetry *19 (2008) 2135*

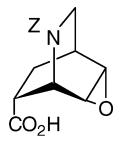


De = 99%
$[\alpha]_D$ = −47 (*c* 0.5, CH_2Cl_2)
Absolute configuration: (1*R*,2*R*,3*S*,4*R*,6*R*)

1-(Benzyloxcarbonylamino)-2,3-epoxybicyclo[2.2.2]octane-6-carboxylic acid

Olivier Songis, Claude Didierjean, Jean Martinez, Monique Calmès *

Tetrahedron: Asymmetry *19 (2008) 2135*

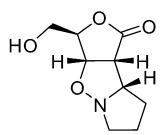


De = 99%
$[\alpha]_D$ = −104 (*c* 1.2, EtOH)
Absolute configuration: (1*S*,4*S*,5*S*,6*R*,7*R*)

2-(Benzyloxcarbonyl)-2-azabicyclo[2.2.2]oct-5-ene-7-carboxylic acid

Sebastian Stecko, Konrad Paśniczek, Carine Michel, Anne Milet, Serge Perez, Marek Chmielewski *

Tetrahedron: Asymmetry *19 (2008) 2140*



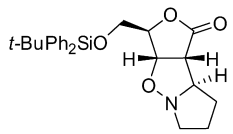
$C_9H_{13}NO_4$

$[\alpha]_D^{25}$ = −67.4 (*c* 0.6, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (1a*S*,2*R*,4a*R*,4b*S*)

(1a*S*,2*R*,4a*R*,4b*S*)-2-Hydroxymethyl-hexahydrofuro[3,4-*d*]pyrrolo[1,2-*b*]isoxazol-4(3*H*)-one

Sebastian Stecko, Konrad Paśniczek, Carine Michel, Anne Milet, Serge Perez, Marek Chmielewski *

Tetrahedron: Asymmetry *19 (2008) 2140*



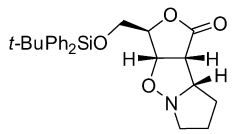
$[\alpha]_D^{25} = +37.5$ (*c* 1.2, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (1*aS*,2*R*,4*aR*,4*bR*)

$C_{25}H_{31}NO_4Si$

(1*aS*,2*R*,4*aR*,4*bR*)-2-(*tert*-Butyldiphenylsilyloxymethyl)-hexahydrofuro[3,4-*d*]pyrrolo[1,2-*b*]isoxazol-4(3*H*)-one

Sebastian Stecko, Konrad Paśniczek, Carine Michel, Anne Milet, Serge Perez, Marek Chmielewski *

Tetrahedron: Asymmetry *19 (2008) 2140*



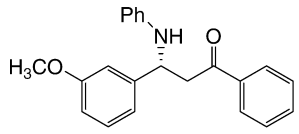
$[\alpha]_D^{25} = -37.7$ (*c* 1.06, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (1a*S*,2*R*,4a*R*,4b*S*)

$C_{25}H_{31}NO_4Si$

(1*aS*,2*R*,4*aR*,4*bS*)-2-(*tert*-Butyldiphenylsilyloxymethyl)-hexahydrofuro[3,4-*d*]pyrrolo[1,2-*b*]isoxazol-4(3*H*)-one

Arrigo Scettri *, Antonio Massa, Laura Palombi, Rosaria Villano, Maria Rosaria Acocella *

Tetrahedron: Asymmetry *19 (2008) 2149*



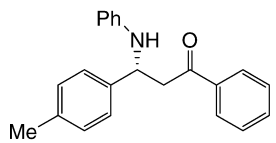
Ee = 40%
$[\alpha]_D^{32} = -12.5$ (*c* 0.5, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*)

$C_{22}H_{21}NO_2$

(*R*)-3-(3-Methoxyphenyl)-1-phenyl-3-(phenylamino)propan-1-one

Arrigo Scettri *, Antonio Massa, Laura Palombi, Rosaria Villano, Maria Rosaria Acocella *

Tetrahedron: Asymmetry *19 (2008) 2149*



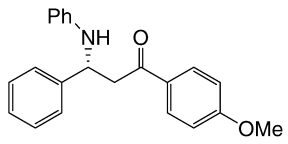
Ee = 42%
$[\alpha]_D^{32} = +3.9$ (*c* 0.5, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*)

$C_{22}H_{21}NO$

(*R*)-1-Phenyl-3-(phenylamino)-3-*p*-tolylpropan-1-one

Arrigo Scettri *, Antonio Massa, Laura Palombi, Rosaria Villano, Maria Rosaria Acocella *

Tetrahedron: Asymmetry *19 (2008) 2149*



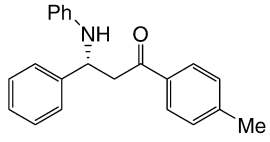
$C_{22}H_{21}NO_2$

(*R*)-1-(4-Methoxyphenyl)-3-phenyl-3-(phenylamino)propan-1-one

Ee = 49%
$[\alpha]_D^{32} = -5.7$ (*c* 0.5, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*)

Arrigo Scettri *, Antonio Massa, Laura Palombi, Rosaria Villano, Maria Rosaria Acocella *

Tetrahedron: Asymmetry *19 (2008) 2149*



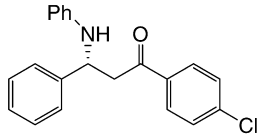
$C_{22}H_{21}NO_2$

(*R*)-3-Phenyl-3-(phenylamino)-1-*p*-tolylpropan-1-one

Ee = 52%
$[\alpha]_D^{32} = -16.0$ (*c* 0.5, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*)

Arrigo Scettri *, Antonio Massa, Laura Palombi, Rosaria Villano, Maria Rosaria Acocella *

Tetrahedron: Asymmetry *19 (2008) 2149*



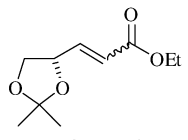
$C_{21}H_{18}ClNO$

(*R*)-1-(4-Chlorophenyl)-3-phenyl-3-(phenylamino)propan-1-one

Ee = 31%
$[\alpha]_D^{32} = -5.8$ (*c* 0.55, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*R*)

Neela Sudhakar, Gannoju Srinivasulu, Ganipisetti Srinivas Rao, Batchu Venkateswara Rao, B. Venkateswara Rao *

Tetrahedron: Asymmetry *19 (2008) 2153*



$C_{10}H_{16}O_4$

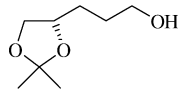
(*S*,*E*/*Z*)-Methyl 3-(2,2-dimethyl-1,3-dioxolan-4-yl)acrylate

$[\alpha]_D^{25} = +4.3$ (*c* 1.8, $CHCl_3$)
Source of chirality: D-mannitol
Absolute configuration: (3*S*)

Neela Sudhakar, Gannoju Srinivasulu, Ganipisetti Srinivas Rao, Batchu Venkateswara Rao *

Tetrahedron: Asymmetry *19 (2008) 2153*

$[\alpha]_D^{25} = +7.4$ (*c* 1.3, $CHCl_3$)
Source of chirality: D-mannitol
Absolute configuration: (3*S*)



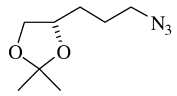
$C_8H_{16}O_3$

(*S*)-3-(2,2-Dimethyl-1,3-dioxolan-4-yl)propan-1-ol

Neela Sudhakar, Gannoju Srinivasulu, Ganipisetti Srinivas Rao, Batchu Venkateswara Rao *

Tetrahedron: Asymmetry *19 (2008) 2153*

$[\alpha]_D^{25} = +6.5$ (*c* 1.5, $CHCl_3$)
Source of chirality: D-mannitol
Absolute configuration: (2*S*)



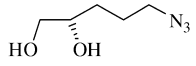
$C_8H_{15}N_3O_2$

(*S*)-4-(3-Azidopropyl)-2,2-dimethyl-1,3-dioxolane

Neela Sudhakar, Gannoju Srinivasulu, Ganipisetti Srinivas Rao, Batchu Venkateswara Rao *

Tetrahedron: Asymmetry *19 (2008) 2153*

$[\alpha]_D^{25} = -7.4$ (*c* 1.2, $CHCl_3$)
Source of chirality: D-mannitol
Absolute configuration: (2*S*)



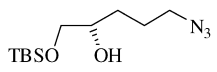
$C_5H_{11}N_3O_2$

(*S*)-5-Azidopentane-1,2-diol

Neela Sudhakar, Gannoju Srinivasulu, Ganipisetti Srinivas Rao, Batchu Venkateswara Rao *

Tetrahedron: Asymmetry *19 (2008) 2153*

$[\alpha]_D^{25} = +1.1$ (*c* 1.0, $CHCl_3$)
Source of chirality: D-mannitol
Absolute configuration: (2*S*)



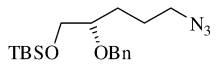
$C_{11}H_{25}N_3O_2Si$

(*S*)-5-Azido-1-(*tert*-butyldimethylsilyloxy)pentan-2-ol

Neela Sudhakar, Gannoju Srinivasulu, Ganipisetti Srinivas Rao, Batchu Venkateswara Rao *

Tetrahedron: Asymmetry *19 (2008) 2153*

$[\alpha]_D^{25} = -21.6$ (*c* 2.1, $CHCl_3$)
Source of chirality: D-mannitol
Absolute configuration: (2*S*)



$C_{18}H_{31}N_3O_2Si$

(*S*)-(5-Azido-2-(benzyloxy)pentyloxy)(*tert*-butyl)dimethylsilane

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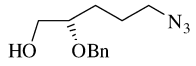
Neela Sudhakar, Gannoju Srinivasulu, Ganipisetti Srinivas Rao, Batchu Venkateswara Rao *

Tetrahedron: Asymmetry *19 (2008) 2153*

$[\alpha]_D^{25} = -5.0$ (*c* .9, $CHCl_3$)
Source of chirality: D-mannitol
Absolute configuration: (2*S*)



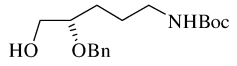
$C_{12}H_{17}N_3O_2$

(*S*)-5-Azido-2-(benzyloxy)pentan-1-ol

Neela Sudhakar, Gannoju Srinivasulu, Ganipisetti Srinivas Rao, Batchu Venkateswara Rao *

Tetrahedron: Asymmetry *19 (2008) 2153*

$[\alpha]_D^{25} = -13.2$ (*c* .8, $CHCl_3$)
Source of chirality: D-mannitol
Absolute configuration: (2*S*)



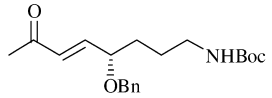
$C_{17}H_{27}NO_4$

(*S*)-*tert*-Butyl 4-(benzyloxy)-5-hydroxypentylcarbamate

Neela Sudhakar, Gannoju Srinivasulu, Ganipisetti Srinivas Rao, Batchu Venkateswara Rao *

Tetrahedron: Asymmetry *19 (2008) 2153*

$[\alpha]_D^{25} = -15.2$ (*c* 1.2, $CHCl_3$)
Source of chirality: D-mannitol
Absolute configuration: (4*S*)



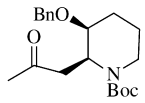
$C_{20}H_{29}NO_4$

(*S*,*E*)-*tert*-Butyl 4-(benzyloxy)-7-oxooct-5-enylcarbamate

Neela Sudhakar, Gannoju Srinivasulu, Ganipisetti Srinivas Rao, Batchu Venkateswara Rao *

Tetrahedron: Asymmetry *19 (2008) 2153*

$[\alpha]_D^{25} = +22.0$ (*c* 1.7, $CHCl_3$)
Source of chirality: D-mannitol
Absolute configuration: (2*S*,3*S*)



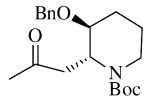
$C_{20}H_{29}NO_4$

(2*S*,3*S*)-*tert*-Butyl 3-(benzyloxy)-2-(2-oxopropyl)piperidine-1-carboxylate

Neela Sudhakar, Gannoju Srinivasulu, Ganipisetti Srinivas Rao, Batchu Venkateswara Rao *

Tetrahedron: Asymmetry *19 (2008) 2153*

$[\alpha]_D^{25} = -42.3$ (*c* 1.1, $CHCl_3$)
Source of chirality: D-mannitol
Absolute configuration: (2*R*,3*S*)



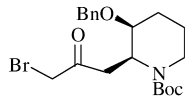
$C_{20}H_{29}NO_4$

(2*R*,3*S*)-*tert*-Butyl 3-(benzyloxy)-2-(2-oxopropyl)piperidine-1-carboxylate

Neela Sudhakar, Gannoju Srinivasulu, Ganipisetti Srinivas Rao, Batchu Venkateswara Rao *

Tetrahedron: Asymmetry *19 (2008) 2153*

$[\alpha]_D^{25} = -19.3$ (*c* 0.7, $CHCl_3$)
Source of chirality: D-mannitol
Absolute configuration: (2*S*,3*S*)



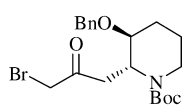
$C_{20}H_{28}NO_4Br$

(*2S*,3*S*)-*tert*-Butyl 3-(benzyloxy)-2-(3-bromo-2-oxopropyl)piperidine-1-carboxylate

Neela Sudhakar, Gannoju Srinivasulu, Ganipisetti Srinivas Rao, Batchu Venkateswara Rao *

Tetrahedron: Asymmetry *19 (2008) 2153*

$[\alpha]_D^{25} = -32.2$ (*c* 0.5, $CHCl_3$)
Source of chirality: D-mannitol
Absolute configuration: (*2R*,*3S*)

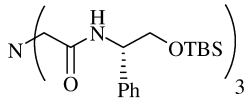


$C_{20}H_{28}NO_4Br$

(2*R*,3*S*)-*tert*-Butyl 3-(benzyloxy)-2-(3-bromo-2-oxopropyl)piperidine-1-carboxylate

Xue-Ming Cheng, Zhong-Bo Zheng, Nan Li, Zhao-Hai Qin, Bin Fu *, Neng-Dong Wang *

Tetrahedron: Asymmetry *19 (2008) 2159*



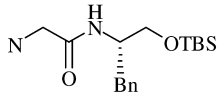
$C_{48}H_{78}N_4O_6Si_3$

N,*N*′,*N*″-Tris[(1*S*)-(2-TBDMSO-1-phenylethyl-)]nitrilotriacetamide

Ee = 100%
$[\alpha]_D^{25} = +30.0$ (*c* 0.50, CH_2Cl_2)
Source of chirality: L-amino alcohol
Absolute configuration: (*S*)

Xue-Ming Cheng, Zhong-Bo Zheng, Nan Li, Zhao-Hai Qin, Bin Fu *, Neng-Dong Wang *

Tetrahedron: Asymmetry *19 (2008) 2159*



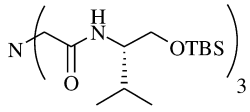
$C_{51}H_{84}N_4O_6Si_3$

N,*N*′,*N*″-Tris[(1*S*)-(2-TBDMSO-1-benzylethyl-)]nitrilotriacetamide

Ee = 100%
$[\alpha]_D^{25} = +74.4$ (*c* 0.67, CH_2Cl_2)
Source of chirality: L-amino alcohol
Absolute configuration: (*S*)

Xue-Ming Cheng, Zhong-Bo Zheng, Nan Li, Zhao-Hai Qin, Bin Fu *, Neng-Dong Wang *

Tetrahedron: Asymmetry *19 (2008) 2159*



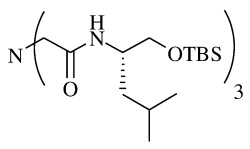
$C_{39}H_{85}N_4O_6Si_3$

N,*N*′,*N*″-Tris[(1*S*)-(2-TBDMSO-1-*iso*-propylethyl-)]nitrilotriacetamide

Ee = 100%
$[\alpha]_D^{25} = -38.1$ (*c* 1.50, CH_2Cl_2)
Source of chirality: L-amino alcohol
Absolute configuration: (*S*)

Xue-Ming Cheng, Zhong-Bo Zheng, Nan Li, Zhao-Hai Qin, Bin Fu *, Neng-Dong Wang *

Tetrahedron: Asymmetry *19 (2008) 2159*



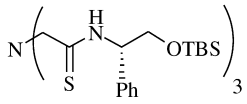
$C_{45}H_{97}N_4O_6Si_3$

N,*N*′,*N*″-Tris[(1*S*)-(2-TBDMSO-1-*iso*-butylethyl-)]nitrilotriacetamide

Ee = 100%
$[\alpha]_D^{25} = -38.8$ (*c* 1.0, CH_2Cl_2)
Source of chirality: L-amino alcohol
Absolute configuration: (*S*)

Xue-Ming Cheng, Zhong-Bo Zheng, Nan Li, Zhao-Hai Qin, Bin Fu *, Neng-Dong Wang *

Tetrahedron: Asymmetry *19 (2008) 2159*



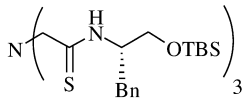
Ee = 100%
$[\alpha]_D^{25} = +35.6$ (*c* 0.50, CH_2Cl_2)
Source of chirality: L-amino alcohol
Absolute configuration: (*S*)

$C_{48}H_{78}N_4O_3S_3Si_3$

N,*N*′,*N*″-Tris[(1*S*)-(2-TBDMSO-1-phenylethyl-)]nitrilotri(thio-acetamide)

Xue-Ming Cheng, Zhong-Bo Zheng, Nan Li, Zhao-Hai Qin, Bin Fu *, Neng-Dong Wang *

Tetrahedron: Asymmetry *19 (2008) 2159*



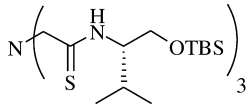
Ee = 100%
$[\alpha]_D^{25} = +103.0$ (*c* 0.63, CH_2Cl_2)
Source of chirality: L-amino alcohol
Absolute configuration: (*S*)

$C_{51}H_{85}N_4O_3S_3Si_3$

N,*N*′,*N*″-Tris[(1*S*)-(2-TBDMSO-1-benzylethyl-)]nitrilotri(thio-acetamide)

Xue-Ming Cheng, Zhong-Bo Zheng, Nan Li, Zhao-Hai Qin, Bin Fu *, Neng-Dong Wang *

Tetrahedron: Asymmetry *19 (2008) 2159*



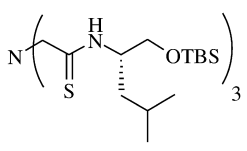
Ee = 100%
$[\alpha]_D^{25} = -105.0$ (*c* 0.50, CH_2Cl_2)
Source of chirality: L-amino alcohol
Absolute configuration: (*S*)

$C_{39}H_{85}N_4O_3S_3Si_3$

N,*N*′,*N*″-Tris[(1*S*)-(2-TBDMSO-1-*iso*-propylethyl-)]nitrilotri(thio-acetamide)

Xue-Ming Cheng, Zhong-Bo Zheng, Nan Li, Zhao-Hai Qin, Bin Fu *, Neng-Dong Wang *

Tetrahedron: Asymmetry *19 (2008) 2159*



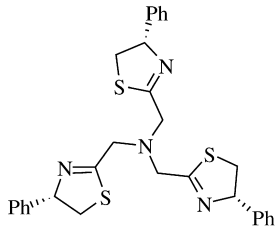
Ee = 100%
$[\alpha]_D^{25} = -62.8$ (*c* 1.0, CH_2Cl_2)
Source of chirality: L-amino alcohol
Absolute configuration: (*S*)

$C_{42}H_{91}N_4O_3S_3Si_3$

N,*N*′,*N*″-Tris[(1*S*)-(2-TBDMSO-1-*iso*-butylethyl-)]nitrilotri(thio-acetamide)

Xue-Ming Cheng, Zhong-Bo Zheng, Nan Li, Zhao-Hai Qin, Bin Fu *, Neng-Dong Wang *

Tetrahedron: Asymmetry *19 (2008) 2159*



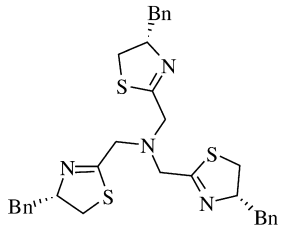
$C_{30}H_{30}N_4S_3$

Tri{[2-(4*S*)-(4-phenyl-1,3-thiazolinyl)] methyl} amine

Ee = 100%
$[\alpha]_D^{25} = +126.0$ (*c* 0.25, CH_2Cl_2)
Source of chirality: L-amino alcohol
Absolute configuration: (*S*)

Xue-Ming Cheng, Zhong-Bo Zheng, Nan Li, Zhao-Hai Qin, Bin Fu *, Neng-Dong Wang *

Tetrahedron: Asymmetry *19 (2008) 2159*



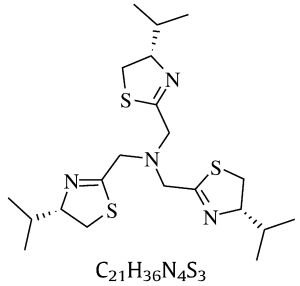
$C_{33}H_{36}N_4S_3$

Tri{[2-(4*S*)-(4-benzyl-1,3-thiazolinyl)] methyl} amine

Ee = 100%
$[\alpha]_D^{25} = +120.0$ (*c* 0.30, CH_2Cl_2)
Source of chirality: L-amino alcohol
Absolute configuration: (*S*)

Xue-Ming Cheng, Zhong-Bo Zheng, Nan Li, Zhao-Hai Qin, Bin Fu *, Neng-Dong Wang *

Tetrahedron: Asymmetry *19 (2008) 2159*



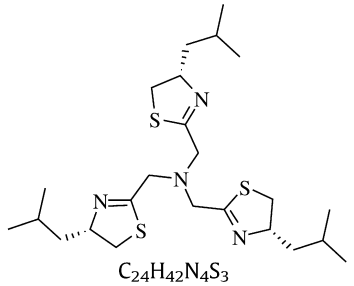
$C_{21}H_{36}N_4S_3$

Tri{[2-(4*S*)-(4-*i*-propyl-1,3-thiazolinyl)] methyl} amine

Ee = 100%
$[\alpha]_D^{25} = -65.0$ (*c* 0.30, CH_2Cl_2)
Source of chirality: L-amino alcohol
Absolute configuration: (*S*)

Xue-Ming Cheng, Zhong-Bo Zheng, Nan Li, Zhao-Hai Qin, Bin Fu *, Neng-Dong Wang *

Tetrahedron: Asymmetry *19 (2008) 2159*



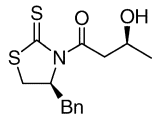
$C_{24}H_{42}N_4S_3$

Tri{[2-(4*S*)-(4-*i*-butyl-1,3-thiazolinyl)] methyl} amine

Ee = 100%
$[\alpha]_D^{25} = -95.0$ (*c* 0.20, CH_2Cl_2)
Source of chirality: L-amino alcohol
Absolute configuration: (*S*)

Jian-Hong Yang, Gui-Chun Yang *, Cui-Fen Lu, Zu-Xing Chen

Tetrahedron: Asymmetry *19 (2008) 2164*



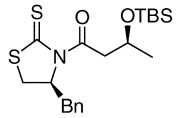
$[\alpha]_D^{25} = +167.2$ (*c* 1.143, $CHCl_3$)
Absolute configuration: (3*S*,4′*S*)
Source of chirality: Evans Aldol reaction

$C_{14}H_{17}NO_2S_2$

(3*S*)-1-[(*S*)-4-Benzyl-2-thioxothazolidin-3-yl]-3-hydroxybutan-1-one

Jian-Hong Yang, Gui-Chun Yang *, Cui-Fen Lu, Zu-Xing Chen

Tetrahedron: Asymmetry *19 (2008) 2164*



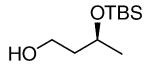
$[\alpha]_D^{25} = +120.2$ (*c* 1.220, $CHCl_3$)
Absolute configuration: (3*S*,4′*S*)
Source of chirality: Evans Aldol reaction

$C_{20}H_{31}NO_2S_2Si$

(3*S*)-1-[(*S*)-4-Benzyl-2-thioxothazolidin-3-yl]-3-(*tert*-butyldimethylsilyloxy)butan-1-one

Jian-Hong Yang, Gui-Chun Yang *, Cui-Fen Lu, Zu-Xing Chen

Tetrahedron: Asymmetry *19 (2008) 2164*



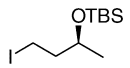
$[\alpha]_D^{25} = +24.6$ (*c* 0.906, $CHCl_3$)
Absolute configuration: (3*S*)
Source of chirality: Evans Aldol reaction

$C_{10}H_{24}O_2Si$

(*S*)-3-(*tert*-Butyldimethylsilyloxy)-1-butanol

Jian-Hong Yang, Gui-Chun Yang *, Cui-Fen Lu, Zu-Xing Chen

Tetrahedron: Asymmetry *19 (2008) 2164*



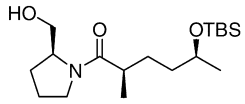
$[\alpha]_D^{25} = +50.2$ (*c* 0.833, $CHCl_3$)
Absolute configuration: (3*S*)
Source of chirality: Evans Aldol reaction

$C_{10}H_{23}IOSi$

(*S*)-3-(*tert*-Butyldimethylsilyloxy)butyl iodide

Jian-Hong Yang, Gui-Chun Yang *, Cui-Fen Lu, Zu-Xing Chen

Tetrahedron: Asymmetry *19 (2008) 2164*



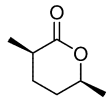
$[\alpha]_D^{25} = +22.5$ (*c* 0.600, $CHCl_3$)
Absolute configuration: (2*R*,2′*S*,5*S*)
Source of chirality: asymmetric alkylation

$C_{18}H_{37}NO_3Si$

(2*R*,5*S*)-5-(*tert*-Butyldimethylsilyloxy)-1-[(*S*)-2-(hydroxymethyl)pyrrolidin-1-yl]-2-methylhexan-1-one

Jian-Hong Yang, Gui-Chun Yang *, Cui-Fen Lu, Zu-Xing Chen

Tetrahedron: Asymmetry *19 (2008) 2164*



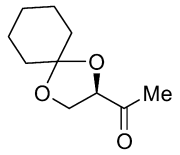
$[\alpha]_D^{25} = -95.1$ (*c* 0. 427, $CHCl_3$)
Absolute configuration: (2*R*,5*S*)
Source of chirality: asymmetric synthesis

$C_7H_{12}O_2$

(2*R*,5*S*)-2-Methyl-5-hexanolide

Anubha Sharma, Priyadip Das, Subrata Chattopadhyay *

Tetrahedron: Asymmetry *19 (2008) 2167*



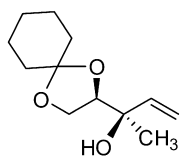
$[\alpha]_D^{22} = +32.0$ (*c* 1.62, $CHCl_3$)
Source of chraility: (*R*)-cyclohexylideneglyceraldehyde
Absolute configuration: (3*R*)

$C_{10}H_{16}O_3$

(3*R*)-3,4-Cyclohexanedioxybutan-2-one

Anubha Sharma, Priyadip Das, Subrata Chattopadhyay *

Tetrahedron: Asymmetry *19 (2008) 2167*



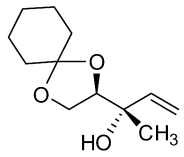
$[\alpha]_D^{22} = +11.3$ (*c* 1.12, $CHCl_3$)
Source of chraility: (*R*)-cyclohexylideneglyceraldehyde
Absolute configuration: (3*R*,4*R*)

$C_{12}H_{20}O_3$

(3*R*,4*R*)-4,5-Cyclohexanedioxy-3-methylpent-1-en-3-ol

Anubha Sharma, Priyadip Das, Subrata Chattopadhyay *

Tetrahedron: Asymmetry *19 (2008) 2167*



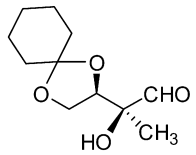
$C_{12}H_{20}O_3$

(3*S*,4*R*)-4,5-Cyclohexanedioxy-3-methylpent-1-en-3-ol

$[\alpha]_D^{22} = +20.6$ (*c* 1.04, $CHCl_3$)
Source of chraility: (*R*)-cyclohexylideneglyceraldehyde
Absolute configuration: (3*S*,4*R*)

Anubha Sharma, Priyadip Das, Subrata Chattopadhyay *

Tetrahedron: Asymmetry *19 (2008) 2167*



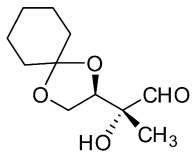
$C_{11}H_{18}O_4$

(2*S*,3*R*)-3,4-Cyclohexanedioxy-2-methyl-2-hydroxybutanal

$[\alpha]_D^{22} = +16.05$ (*c* 1.52, $CHCl_3$)
Source of chraility: (*R*)-cyclohexylideneglyceraldehyde
Absolute configuration: (2*S*,3*R*)

Anubha Sharma, Priyadip Das, Subrata Chattopadhyay *

Tetrahedron: Asymmetry *19 (2008) 2167*



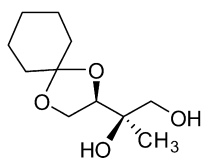
$C_{11}H_{18}O_4$

(2*R*,3*R*)-3,4-Cyclohexanedioxy-2-hydroxy-2-methylbutanal

$[\alpha]_D^{22} = +18.1$ (*c* 1.14, $CHCl_3$)
Source of chirality: (*R*)-cyclohexylideneglyceraldehyde
Absolute configuration: (2*R*,3*R*)

Anubha Sharma, Priyadip Das, Subrata Chattopadhyay *

Tetrahedron: Asymmetry *19 (2008) 2167*



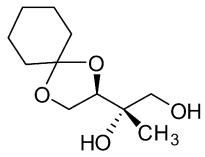
$C_{11}H_{20}O_4$

(2*R*,3*R*)-3,4-Cyclohexanedioxy-2-methylbutane-1,2-diol

$[\alpha]_D^{22} = +11.6$ (*c* 1.02, $CHCl_3$)
Source of chirality: (*R*)-cyclohexylideneglyceraldehyde
Absolute configuration: (2*R*,3*R*)

Anubha Sharma, Priyadip Das, Subrata Chattopadhyay *

Tetrahedron: Asymmetry *19 (2008) 2167*



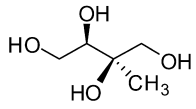
$C_{11}H_{20}O_4$

(2*S*,3*R*)-3,4-Cyclohexanedioxy-2-methylbutane-1,2-diol

$[\alpha]_D^{22} = +12.8$ (*c* 1.72, $CHCl_3$)
Source of chirality: (*R*)-cyclohexylideneglyceraldehyde
Absolute configuration: (2*S*,3*R*)

Anubha Sharma, Priyadip Das, Subrata Chattopadhyay *

Tetrahedron: Asymmetry *19 (2008) 2167*



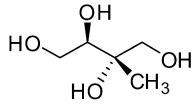
$C_5H_{12}O_4$

(2*R*,3*R*)-2-Methylbutane-1,2,3,4-tetrol

$[\alpha]_D^{22} = +11.2$ (*c* 1.41, MeOH)
Source of chirality: (*R*)-cyclohexylideneglyceraldehyde
Absolute configuration: (2*R*,3*R*)

Anubha Sharma, Priyadip Das, Subrata Chattopadhyay *

Tetrahedron: Asymmetry *19 (2008) 2167*



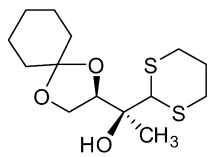
$C_{11}H_{20}O_4$

(2*S*,3*R*)-2-Methylbutane-1,2,3,4-tetrol

$[\alpha]_D^{22} = +15.0$ (*c* 1.44, MeOH)
Source of chirality: (*R*)-cyclohexylideneglyceraldehyde
Absolute configuration: (2*S*,3*R*)

Anubha Sharma, Priyadip Das, Subrata Chattopadhyay *

Tetrahedron: Asymmetry *19 (2008) 2167*



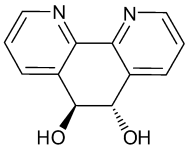
$C_{14}H_{24}O_3S_2$

(2*S*,3*R*)-3,4-Cyclohexanedioxy-2-methyl-2-(1′,3′-propanediyldithio)butan-2-ol

$[\alpha]_D^{22} = +12.45$ (*c* 2.86, $CHCl_3$)
Source of chirality: (*R*)-cyclohexylideneglyceraldehyde
Absolute configuration: (2*S*,3*R*)

Claudia Sanfilippo *, Giovanni Nicolosi

Tetrahedron: Asymmetry *19 (2008) 2171*

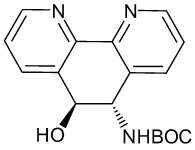


Ee = 94%
$[\alpha]_D^{25} = -75.1$ (*c* 0.4, CH_3OH)
Source of chirality: enzymatic resolution
Absolute configuration: (5*S*,6*S*)

$C_{12}H_{10}N_2O_2$
(5*S*,6*S*)-Dihydro-5,6-dihydroxy-1,10-phenanthroline

Claudia Sanfilippo *, Giovanni Nicolosi

Tetrahedron: Asymmetry *19 (2008) 2171*



Ee = 96%
$[\alpha]_D^{25} = +51.9$ (*c* 0.2, $CHCl_3$)
Source of chirality: enzymatic resolution
Absolute configuration: (5*S*,6*S*)

$C_{17}H_{19}N_3O_4$
(5*S*,6*S*)-Dihydro-5-hydroxy-6-*tert*-butoxycarbonylamino-1,10-phenanthroline

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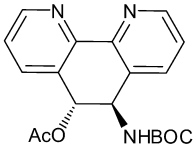
Claudia Sanfilippo *, Giovanni Nicolosi

Tetrahedron: Asymmetry *19 (2008) 2171*



Ee = 90%
$[\alpha]_D^{25} = -68.9$ (*c* 0.3, CH_3OH)
Source of chirality: enzymatic resolution
Absolute configuration: (5*R*,6*R*)

$C_{19}H_{21}N_3O_5$
(5*R*,6*R*)-Dihydro-5-hydroxy-6-*tert*-butoxycarbonylamino-1,10-phenanthroline

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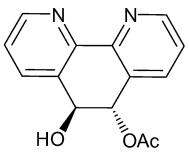
Claudia Sanfilippo *, Giovanni Nicolosi

Tetrahedron: Asymmetry *19 (2008) 2171*

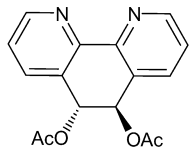


Ee = 90%
$[\alpha]_D^{25} = +75.0$ (*c* 0.6, CH_3OH)
Source of chirality: enzymatic resolution
Absolute configuration: (5*S*,6*S*)

$C_{14}H_{12}N_2O_3$
(5*S*,6*S*)-Dihydro-5-acetoxy-6-hydroxy-1,10-phenanthroline

Claudia Sanfilippo *, Giovanni Nicolosi

Tetrahedron: Asymmetry *19 (2008) 2171*



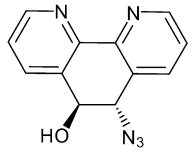
$C_{16}H_{14}N_2O_4$

(5*R*,6*R*)-Dihydro-5,6-diacetoxy-1,10-phenanthroline

Ee = 94%
$[\alpha]_D^{25} = -211.4$ (*c* 0.3, CH_3OH)
Source of chirality: enzymatic resolution
Absolute configuration: (5*R*,6*R*)

Claudia Sanfilippo *, Giovanni Nicolosi

Tetrahedron: Asymmetry *19 (2008) 2171*



$C_{12}H_9N_5O$

(5*S*,6*S*)-Dihydro-5-azido-6-hydroxy-1,10-phenanthroline

Ee >98%
$[\alpha]_D^{25} = -67.5$ (*c* 0.6, $CHCl_3$)
Source of chirality: enzymatic resolution
Absolute configuration: (5*S*,6*S*)

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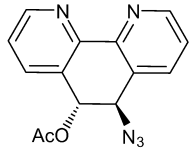
Tetrahedron: Asymmetry *19 (2008) 2171*



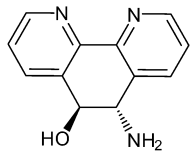
$C_{14}H_{11}N_5O_2$

(5*R*,6*R*)-Dihydro-5-acetoxy-6-azido-1,10-phenanthroline

Ee = 97%
$[\alpha]_D^{25} = -264.5$ (*c* 0.6, CH_3OH)
Source of chirality: enzymatic resolution
Absolute configuration: (5*R*,6*R*)

Claudia Sanfilippo *, Giovanni Nicolosi

Tetrahedron: Asymmetry *19 (2008) 2171*



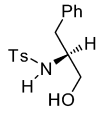
$C_{12}H_{11}N_3O$

(5*S*,6*S*)-Dihydro-5-amino-6-hydroxy-1,10-phenanthroline

Ee >98%
$[\alpha]_D^{25} = -51.9$ (*c* 0.1, CH_3OH)
Source of chirality: enzymatic resolution
Absolute configuration: (5*S*,6*S*)

Mahalingam Poornachandran, Raghavachary Raghunathan *

Tetrahedron: Asymmetry *19 (2008) 2177*



$[\alpha]_D^{29} = -21.4$ (*c* 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (*S*)

$C_{16}H_{19}NO_3S$
(*S*)-3-Phenyl-2-(tosylamino)propan-1-ol

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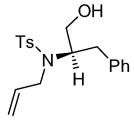
Tetrahedron: Asymmetry *19 (2008) 2177*



$[\alpha]_D^{29} = -1.2$ (*c* 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (*S*)

$C_{19}H_{23}NO_3S$
(*S*)-2-(*N*-Allyl-*N*-tosylamino)-3-phenylpropan-1-ol

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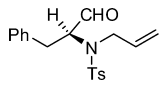
Tetrahedron: Asymmetry *19 (2008) 2177*



$[\alpha]_D^{29} = -0.2$ (*c* 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (*S*)

$C_{19}H_{21}NO_3S$
(*S*)-2-(*N*-Allyl-*N*-tosylamino)-3-phenylpropanal

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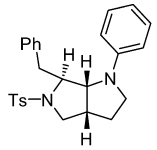
Tetrahedron: Asymmetry *19 (2008) 2177*



$[\alpha]_D^{28} = +6.6$ (*c* 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (3a*R*,6*S*,6a*R*)

$C_{26}H_{28}N_2O_2S$
(3a*R*,6*S*,6a*R*)-*cis*-1-Phenyl-5-tosyl-6-benzyl-octahydropyrrolo[3,4-*b*]pyrrole

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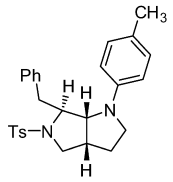
Tetrahedron: Asymmetry *19 (2008) 2177*



$[\alpha]_D^{29} = 27.5$ (c 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (3a*R*,6*S*,6a*R*)

$C_{27}H_{30}N_2O_2S$

(3a*R*,6*S*,6a*R*)-*cis*-1-(4-Methyl)-phenyl-5-tosyl-6-benzyl-octahydropyrrolo[3,4-*b*]pyrrole

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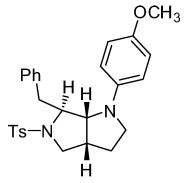
Tetrahedron: Asymmetry *19 (2008) 2177*



$[\alpha]_D^{29} = +24.6$ (c 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (3a*R*,6*S*,6a*R*)

$C_{27}H_{30}N_2O_3S$

(3a*R*,6*S*,6a*R*)-*cis*-1-(4-Methoxy)-phenyl-5-tosyl-6-benzyl-octahydropyrrolo[3,4-*b*]pyrrole

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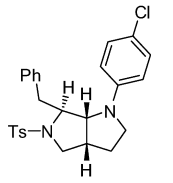
Tetrahedron: Asymmetry *19 (2008) 2177*



$[\alpha]_D^{28} = +27.0$ (c 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (3a*R*,6*S*,6a*R*)

$C_{26}H_{27}ClN_2O_2S$

(3a*R*,6*S*,6a*R*)-*cis*-1-(4-Chloro)-phenyl-5-tosyl-6-benzyl-octahydropyrrolo[3,4-*b*]pyrrole

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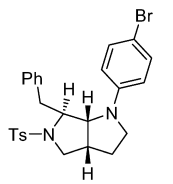
Tetrahedron: Asymmetry *19 (2008) 2177*



$[\alpha]_D^{29} = +29.8$ (c 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (3a*R*,6*S*,6a*R*)

$C_{26}H_{27}BrN_2O_2S$

(3a*R*,6*S*,6a*R*)-*cis*-1-(4-Bromo)-phenyl-5-tosyl-6-benzyl-octahydropyrrolo[3,4-*b*]pyrrole

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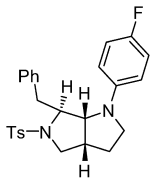
Tetrahedron: Asymmetry *19 (2008) 2177*



$[\alpha]_D^{27} = +2.5$ (*c* 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (3a*R*,6*S*,6a*R*)

$C_{26}H_{27}FN_2O_2S$

(3a*R*,6*S*,6a*R*)-*cis*-1-(4-Fluoro)-phenyl-5-tosyl-6-benzyl-octahydropyrrolo[3,4-*b*]pyrrole

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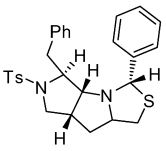
Tetrahedron: Asymmetry *19 (2008) 2177*



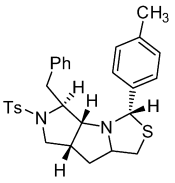
$[\alpha]_D^{29} = -10.6$ (*c* 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (2*S*,3a*R*,4*S*,6a*R*,7a*R*)

$C_{28}H_{30}N_2O_2S_2$

(2*S*,3a*R*,4*S*,6a*R*,7a*R*)-*cis*-2-Phenyl-4-benzyl-5-*N*-(*p*-methyl)-benzenesulfonyl perhydro thiazolo[3′,4′-2,3]pyrrolo[4,5-*c*]pyrrole

Mahalingam Poornachandran, Raghavachary Raghunathan *

Tetrahedron: Asymmetry *19 (2008) 2177*



$[\alpha]_D^{29} = -14.8$ (*c* 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (2*S*,3a*R*,4*S*,6a*R*,7a*R*)

$C_{29}H_{32}N_2O_2S_2$

(2*S*,3a*R*,4*S*,6a*R*,7a*R*)-*cis*-2-(*p*-Methyl)-phenyl-4-benzyl-5-*N*-(*p*-methyl)-benzene sulfonyl perhydrothiazolo[3′,4′-2,3]pyrrolo[4,5-*c*]pyrrole

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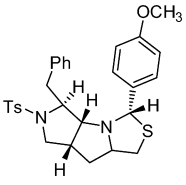
Tetrahedron: Asymmetry *19 (2008) 2177*



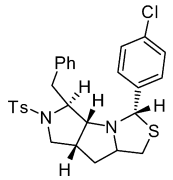
$[\alpha]_D^{29} = -15.8$ (*c* 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (2*S*,3a*R*,4*S*,6a*R*,7a*R*)

$C_{29}H_{32}N_2O_3S_2$

(2*S*,3a*R*,4*S*,6a*R*,7a*R*)-*cis*-2-(*p*-Methoxy)-phenyl-4-benzyl-5-*N*-(*p*-methyl)-benzenesulfonyl perhydrothiazolo[3′,4′-2,3]pyrrolo[4,5-*c*]pyrrole

Mahalingam Poornachandran, Raghavachary Raghunathan *

Tetrahedron: Asymmetry *19 (2008) 2177*



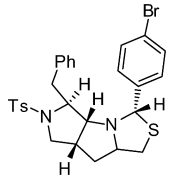
$C_{28}H_{29}ClN_2O_2S_2$

$[\alpha]_D^{29} = -12.8$ (*c* 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (2*S*,3a*R*,4*S*,6a*R*,7a*R*)

(2*S*,3a*R*,4*S*,6a*R*,7a*R*)-*cis*-2-(*p*-Chloro)-4-benzyl-5-*N*-(*p*-methyl)-benzenesulfonyl perhydro thiazolo[3′,4′-2,3]pyrrolo[4,5-*c*]-pyrrole

Mahalingam Poornachandran, Raghavachary Raghunathan *

Tetrahedron: Asymmetry *19 (2008) 2177*



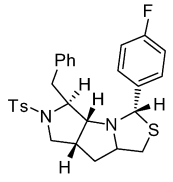
$C_{28}H_{29}BrN_2O_2S_2$

$[\alpha]_D^{29} = -13.8$ (*c* 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (2*R*,3a*R*,4*S*,6a*R*,7a*R*)

(2*R*,3a*R*,4*S*,6a*R*,7a*R*)-*cis*-2-(*p*-Bromo)-phenyl-4-benzyl-5-*N*-(*p*-methyl)-benzenesulfonyl perhydrothiazolo[3′,4′-2,3]pyrrolo[4,5-*c*]pyrrole

Mahalingam Poornachandran, Raghavachary Raghunathan *

Tetrahedron: Asymmetry *19 (2008) 2177*



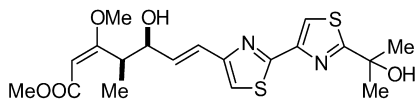
$C_{28}H_{29}FN_2O_2S_2$

$[\alpha]_D^{29} = -15.6$ (*c* 1, $CHCl_3$)
Source of chirality: chiral starting material
Absolute configuration: (2*S*,3a*R*,4*S*,6a*R*,7a*R*)

(2*S*,3a*R*,4*S*,6a*R*,7a*R*)-*cis*-2-(*p*-Fluoro)phenyl-4-benzyl-5-*N*-(*p*-methyl)-benzene sulfonyl perhydro thiazolo[3′,4′-2,3]pyrrolo[4,5-*c*]pyrrole

Yuki Iwaki, Shigeo Yamamura, Hiroyuki Akita *

Tetrahedron: Asymmetry *19 (2008) 2192*



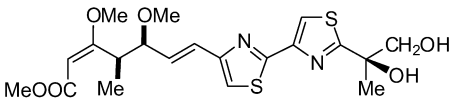
$C_{19}H_{24}N_2O_5S_2$

$[\alpha]_D^{22} = +112.6$ (*c* 1.17, $CHCl_3$)
Ee = >99%
Source of chirality: lipase
Absolute configuration: (4*R*,5*S*)

14-Hydroxycystothiazole C

Yuki Iwaki, Shigeo Yamamura, Hiroyuki Akita *

Tetrahedron: Asymmetry *19 (2008) 2192*



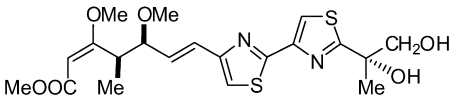
$C_{20}H_{26}N_2O_6S_2$

(14*R*,15)-Dihydroxycystothiazole A

$[\alpha]_D^{23} = +113.0$ (*c* 0.76, $CHCl_3$)
Ee = >99%
Source of chirality: lipase
Absolute configuration: (4*R*,5*S*,14*R*)

Yuki Iwaki, Shigeo Yamamura, Hiroyuki Akita *

Tetrahedron: Asymmetry *19 (2008) 2192*



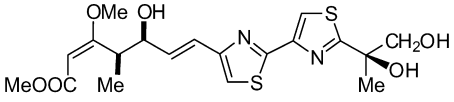
$C_{20}H_{26}N_2O_6S_2$

(14*S*,15)-Dihydroxycystothiazole A

$[\alpha]_D^{24} = +77.8$ (*c* 0.675, $CHCl_3$)
Ee = >99%
Source of chirality: lipase
Absolute configuration: (4*R*,5*S*,14*S*)

Yuki Iwaki, Shigeo Yamamura, Hiroyuki Akita *

Tetrahedron: Asymmetry *19 (2008) 2192*



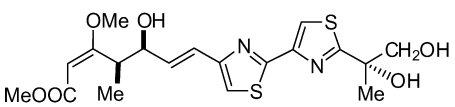
$C_{19}H_{24}N_2O_6S_2$

(14*R*,15)-Dihydroxycystothiazole C

$[\alpha]_D^{24} = +145.9$ (*c* 0.64, $CHCl_3$)
Ee = >99%
Source of chirality: lipase
Absolute configuration: (4*R*,5*S*,14*R*)

Yuki Iwaki, Shigeo Yamamura, Hiroyuki Akita *

Tetrahedron: Asymmetry *19 (2008) 2192*



$C_{19}H_{24}N_2O_6S_2$

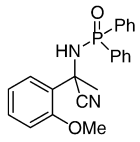
(14*S*,15)-Dihydroxycystothiazole C

$[\alpha]_D^{25} = +91.1$ (*c* 1.00, CHCl3)
Ee = >99%
Source of chirality: lipase
Absolute configuration: (4*R*,5*S*,14*S*)

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*

$[\alpha]_D^{23} = -2.15$ (*c* 1.3, CH_2Cl_2)



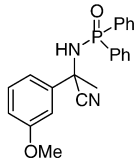
$C_{22}H_{21}N_2O_2P$

N-[1-Cyano-1-(2-methoxyphenyl)ethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*

$[\alpha]_D^{23} = -4.9$ (*c* 1.6, CH_2Cl_2)



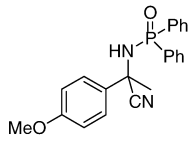
$C_{22}H_{22}N_2O_2P$

N-[1-Cyano-1-(3-methoxyphenyl)ethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*

$[\alpha]_D^{23} = -2.35$ (*c* 0.85, CH_2Cl_2)



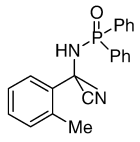
$C_{22}H_{22}N_2O_2P$

N-[1-Cyano-1-(4-methoxyphenyl)ethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*

$[\alpha]_D^{23} = -2.7$ (*c* 2.0, CH_2Cl_2)

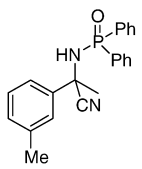


$C_{22}H_{21}N_2OP$

N-[1-Cyano-1-(2-methylphenyl)ethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*



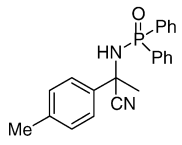
$[\alpha]_D^{23} = -1.7$ (*c* 1.05, CH_2Cl_2)

$C_{22}H_{21}N_2OP$

N-[1-Cyano-1-(3-methylphenyl)ethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*



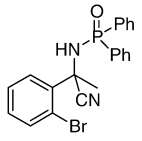
$[\alpha]_D^{23} = -1.7$ (*c* 1.05, CH_2Cl_2)

$C_{22}H_{21}N_2OP$

N-[1-Cyano-1-(4-methylphenyl)ethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*



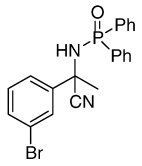
$[\alpha]_D^{23} = -1.3$ (*c* 1.15, CH_2Cl_2)

$C_{21}H_{18}BrN_2OP$

N-[1-(2-Bromophenyl)-1-cyanoethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*



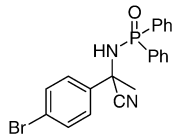
$[\alpha]_D^{23} = -4.6$ (*c* 1.4, CH_2Cl_2)

$C_{21}H_{18}BrN_2OP$

N-[1-(3-Bromophenyl)-1-cyanoethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*



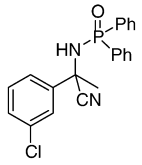
$[\alpha]_D^{23} = -6.4$ (*c* 1.15, CH_2Cl_2)

$C_{21}H_{18}BrN_2OP$

N-[1-(4-Bromophenyl)-1-cyanoethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*



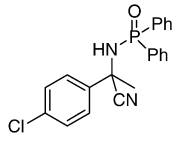
$[\alpha]_D^{23} = -3.2$ (*c* 1.25, CH_2Cl_2)

$C_{21}H_{18}ClN_2OP$

N-[1-(3-Chlorophenyl)-1-cyanoethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*



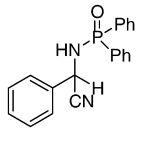
$[\alpha]_D^{23} = -5.7$ (*c* 0.85, CH_2Cl_2)

$C_{21}H_{18}ClN_2OP$

N-[1-(4-Chlorophenyl)-1-cyanoethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*



$[\alpha]_D^{23} = -0.6$ (*c* 1.2, CH_2Cl_2)

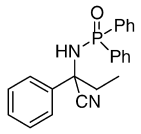
$C_{20}H_{17}N_2OP$

N-Cyano(phenyl)methyl(diphenyl)phosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*

$[\alpha]_D^{23} = +0.9$ (*c* 1.2, CH_2Cl_2)



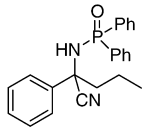
$C_{22}H_{21}N_2OP$

N-(1-Cyano-1-phenylpropyl)diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*

$[\alpha]_D^{23} = -3.4$ (*c* 0.85, CH_2Cl_2)



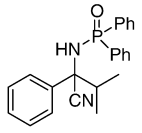
$C_{23}H_{23}N_2OP$

N-(1-Cyano-1-phenylbutyl)diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*

$[\alpha]_D^{23} = -3.2$ (*c* 1.05, CH_2Cl_2)



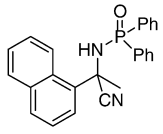
$C_{23}H_{23}N_2OP$

N-(1-Cyano-2-methyl-1-phenylpropyl)diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*

$[\alpha]_D^{23} = -1.2$ (*c* 1.25, CH_2Cl_2)



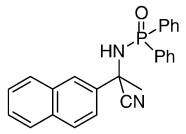
$C_{25}H_{21}N_2OP$

N-[1-Cyano-1-(1-naphthyl)ethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*

$[\alpha]_D^{23} = -3.2$ (*c* 1.05, CH_2Cl_2)



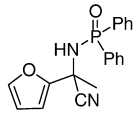
$C_{25}H_{21}N_2OP$

N-[1-Cyano-1-(2-naphthyl)ethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*

$[\alpha]_D^{23} = -2.7$ (*c* 0.9, CH_2Cl_2)



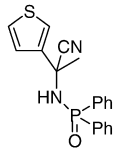
$C_{19}H_{17}N_2O_2P$

N-[1-Cyano-1-(2-furyl)ethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*

$[\alpha]_D^{23} = -0.9$ (*c* 1.05, CH_2Cl_2)



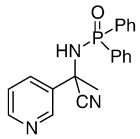
$C_{19}H_{17}N_2OPS$

N-[1-Cyano-1-(3-thienyl)ethyl]diphenylphosphinic amide

Yi-Jing Chen, Chinpiao Chen *

Tetrahedron: Asymmetry *19 (2008) 2201*

$[\alpha]_D^{23} = -2.4$ (*c* 1.05, CH_2Cl_2)

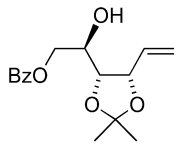


$C_{20}H_{18}N_3OP$

N-[1-Cyano-1-(3-pyridyl)ethyl]diphenylphosphinic amide

Jun'ichi Uenishi *, Atsushi Ueda

Tetrahedron: Asymmetry *19 (2008) 2210*



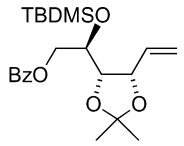
Ee >99%
$[\alpha]_D$ = +13.2 (*c* 0.98, $CHCl_3$)
Source of chirality: D-ribose
Absolute configuration: (2*R*,3*S*,4*S*)

$C_{16}H_{20}O_5$

(2*R*,3*S*,4*S*)-2-Hydroxy-3,4-*O*-isopropylidene-hex-5-enyl benzoate

Jun'ichi Uenishi *, Atsushi Ueda

Tetrahedron: Asymmetry *19 (2008) 2210*



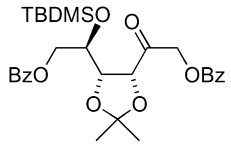
Ee >99%
$[\alpha]_D$ = −2.3 (*c* 1.03, $CHCl_3$)
Source of chirality: D-ribose
Absolute configuration: (2*R*,3*S*,4*S*)

$C_{22}H_{34}O_5Si$

(2*R*,3*S*,4*S*)-2-*tert*-Butyldimethylsilyloxy-3,4-*O*-isopropylidene-hex-5-enyl benzoate

Jun'ichi Uenishi *, Atsushi Ueda

Tetrahedron: Asymmetry *19 (2008) 2210*



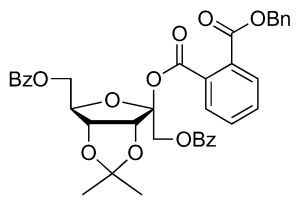
Ee >99%
$[\alpha]_D$ = +21.0 (*c* 1.05, $CHCl_3$)
Source of chirality: D-ribose
Absolute configuration: (3*R*,4*S*,5*R*)

$C_{29}H_{38}O_8Si$

1,6-Di-*O*-benzoyl-5-*O*-*tert*-butyldimethylsilyl-3,4-*O*-isopropylidene-D-psicose

Jun'ichi Uenishi *, Atsushi Ueda

Tetrahedron: Asymmetry *19 (2008) 2210*



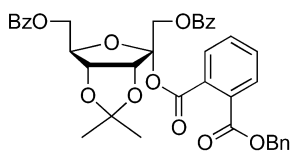
Ee >99%
$[\alpha]_D$ = −11.1 (*c* 0.89, $CHCl_3$)
Source of chirality: D-ribose
Absolute configuration: (2*R*,3*R*,4*S*,5*R*)

$C_{38}H_{34}O_{11}$

(1,6-Di-*O*-benzoyl-3,4-*O*-isopropylidene-β-D-psicofuranosyl) benzyl phthalate

Jun'ichi Uenishi *, Atsushi Ueda

Tetrahedron: Asymmetry *19 (2008) 2210*



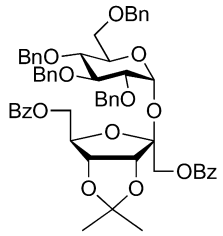
Ee >99%
$[\alpha]_D$ = +6.5 (*c* 1.06, $CHCl_3$)
Source of chirality: D-ribose
Absolute configuration: (2*S*,3*R*,4*S*,5*R*)

$C_{38}H_{34}O_{11}$

(1,6-Di-*O*-benzoyl-3,4-*O*-isopropylidene-α-D-psicofuranosyl) benzyl phthalate

Jun'ichi Uenishi *, Atsushi Ueda

Tetrahedron: Asymmetry *19 (2008) 2210*



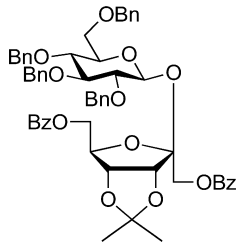
Ee >99%
$[\alpha]_D$ = +29.0 (*c* 1.08, $CHCl_3$)
Source of chirality: D-ribose, D-glucose
Absolute configuration: (2′*S*,3′*R*,4′*R*,5′*R*,1*S*,2*R*,3*S*,4*R*,5*R*)

$C_{57}H_{58}O_{13}$

(1,6-Di-*O*-benzoyl-3,4-*O*-isopropylidene-β-D-psicofuranosyl) 2,3,4,6-tetra-*O*-benzyl-α-D-glucopyranoside

Jun'ichi Uenishi *, Atsushi Ueda

Tetrahedron: Asymmetry *19 (2008) 2210*



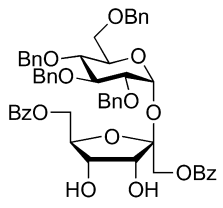
Ee >99%
$[\alpha]_D$ = −13.8 (*c* 1.00, $CHCl_3$)
Source of chirality: D-ribose, D-glucose
Absolute configuration: (2′*S*,3′*R*,4′*R*,5′*R*,1*R*,2*R*,3*S*,4*R*,5*R*)

$C_{57}H_{58}O_{13}$

(1,6-Di-*O*-benzoyl-3,4-*O*-isopropylidene-β-D-psicofuranosyl) 2,3,4,6-tetra-*O*-benzyl-β-D-glucopyranoside

Jun'ichi Uenishi *, Atsushi Ueda

Tetrahedron: Asymmetry *19 (2008) 2210*



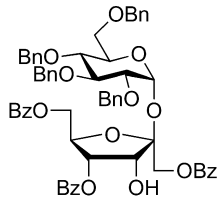
Ee >99%
$[\alpha]_D$ = +55.5 (*c* 1.03, $CHCl_3$)
Source of chirality: D-ribose, D-glucose
Absolute configuration: (2′*S*,3′*R*,4′*S*,5′*R*,1*R*,2*R*,3*S*,4*R*,5*R*)

$C_{54}H_{54}O_{13}$

(1,6-Di-*O*-benzoyl-b-D-psicofuranosyl) 2,3,4,6-tetra-*O*-benzyl-α-D-glucopyranoside

Jun'ichi Uenishi *, Atsushi Ueda

Tetrahedron: Asymmetry *19 (2008) 2210*



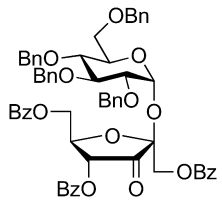
Ee >99%
$[\alpha]_D$ = +37.5 (*c* 0.99, $CHCl_3$)
Source of chirality: D-ribose, D-glucose
Absolute configuration: (2′*S*,3′*R*,4′*S*,5′*R*,1*R*,2*R*,3*S*,4*R*,5*R*)

$C_{61}H_{58}O_{14}$

(1,3,6-Tri-*O*-benzoyl-β-D-psicofuranosyl) 2,3,4,6-tetra-*O*-benzyl-α-D-glucopyranoside

Jun'ichi Uenishi *, Atsushi Ueda

Tetrahedron: Asymmetry *19 (2008) 2210*



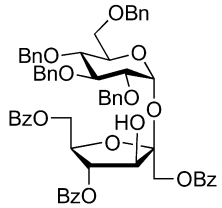
Ee >99%
$[\alpha]_D$ = +98.5 (*c* 0.68, $CHCl_3$)
Source of chirality: D-ribose, D-glucose
Absolute configuration: (2′*S*,4′*R*,5′*R*,1*R*,2*R*,3*S*,4*R*,5*R*)

$C_{61}H_{56}O_{14}$

(1,4,6-Tri-*O*-benzoyl-β-D-*erythro*-2,3-hexodiulofuranosyl) 2,3,4,6-tetra-*O*-benzyl-α-D-glucopyranoside

Jun'ichi Uenishi *, Atsushi Ueda

Tetrahedron: Asymmetry *19 (2008) 2210*



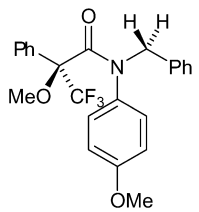
Ee >99%
$[\alpha]_D$ = +39.2 (*c* 1.00, $CHCl_3$)
Source of chirality: D-ribose, D-glucose
Absolute configuration: (2′*S*,3′*S*,4′*S*,5′*R*,1*R*,2*R*,3*S*,4*R*,5*R*)

$C_{61}H_{58}O_{14}$

(1,4,6-Tri-*O*-benzoyl-β-D-fructofuranosyl) 2,3,4,6-tetra-*O*-benzyl-α-D-glucopyranoside

Jonathan Clayden *, Loïc Lemiègre, Mark Pickworth

Tetrahedron: Asymmetry *19 (2008) 2218*



$[\alpha]_D^{24} = -106$ (*c* 0.4, CH_2Cl_2)

$C_{24}H_{22}F_3NO_3$

N-Benzyl-3,3,3-trifluoro-2-methoxy-*N*-(4-methoxyphenyl)-2-phenylpropanamide