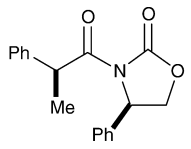
Elliot Coulbeck, Jason Eames *

Tetrahedron: Asymmetry *19 (2008) 2223*



$C_{18}H_{17}NO_3$

(2*S*,4*R*)-3-(2-Phenylpropionyl)-4-phenyl-oxazolidin-2-one

De >98%; ee >98%
$[\alpha]_D^{20} = +92.5$ (*c* 4.9, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*S*,*R*)

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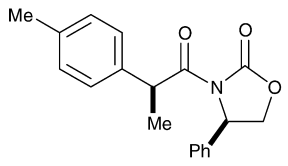
Tetrahedron: Asymmetry *19 (2008) 2223*



$C_{19}H_{19}NO_3$

(2*S*,4*R*)-3-[2-(4-Methylphenyl)propionyl]-4-phenyl-oxazolidin-2-one

De >98%; ee >98%
$[\alpha]_D^{20} = +121.6$ (*c* 0.6, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*S*,*R*)

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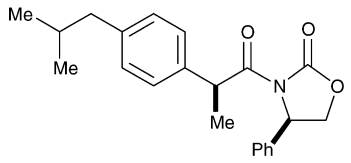
Tetrahedron: Asymmetry *19 (2008) 2223*



$C_{22}H_{25}NO_3$

(2*S*,4*R*)-3-[2-(4-Isobutylphenyl)propionyl]-4-phenyl-oxazolidin-2-one

De >98%; ee >98%
$[\alpha]_D^{20} = +118.7$ (*c* 6.0, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*S*,*R*)

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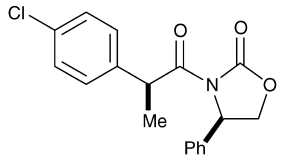
Tetrahedron: Asymmetry *19 (2008) 2223*



$C_{18}H_{16}ClNO_3$

(2*S*,4*R*)-3-[2-(4-Chlorophenyl)propionyl]-4-phenyl-oxazolidin-2-one

De >98%; ee >98%
$[\alpha]_D^{20} = +144.4$ (*c* 1.6, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*S*,*R*)

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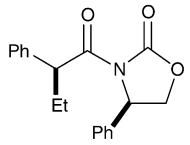
Tetrahedron: Asymmetry *19 (2008) 2223*



De >98%; ee >98%
$[\alpha]_D^{20} = +77.4$ (*c* 4.0, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*S*,*R*)

$C_{19}H_{19}NO_3$
(2*S*,4*R*)-3-(2-Phenylbutanoyl)-4-phenyl-oxazolidin-2-one

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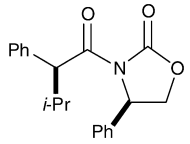
Tetrahedron: Asymmetry *19 (2008) 2223*



De = 54%; ee >98%
$[\alpha]_D^{20} = +1.3$ (*c* 3.0, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*S*,*R*)

$C_{20}H_{21}NO_3$
(2*S*,4*R*)-3-(2-Phenyl-3-methylbutanoyl)-4-phenyl-oxazolidin-2-one

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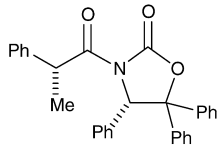
Tetrahedron: Asymmetry *19 (2008) 2223*



De = 96%; ee >98%
$[\alpha]_D^{20} = -255.1$ (*c* 3.4, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*R*,*S*)

$C_{30}H_{25}NO_3$
(2*R*,4*S*)-3-(2-Phenylpropionyl)-4,5,5-triphenyl-oxazolidin-2-one

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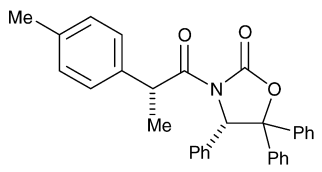
Tetrahedron: Asymmetry *19 (2008) 2223*



De = 96%; ee >98%
$[\alpha]_D^{20} = -258.6$ (*c* 2.4, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*R*,*S*)

$C_{31}H_{27}NO_3$
(2*R*,4*S*)-3-[2-(4-Methylphenyl)propionyl]-4,5,5-triphenyl-oxazolidin-2-one

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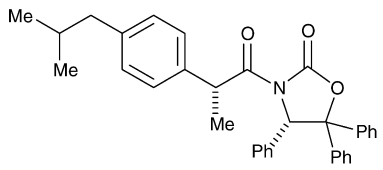
Tetrahedron: Asymmetry *19 (2008) 2223*



De = 96%; ee >98%
$[\alpha]_D^{20} = -306.7$ (*c* 4.4, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*R*,*S*)

$C_{34}H_{33}NO_3$

(2*R*,4*S*)-3-[2-(4-Isobutylphenyl)propionyl]-4,5,5-triphenyl-oxazolidin-2-one

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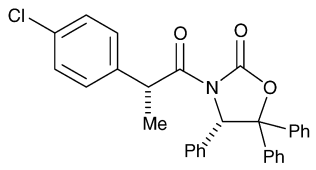
Tetrahedron: Asymmetry *19 (2008) 2223*



De = 92%; ee >98%
$[\alpha]_D^{20} = -296.2$ (*c* 3.4, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*R*,*S*)

$C_{30}H_{24}ClNO_3$

(2*R*,4*S*)-3-[2-(4-Chlorophenyl)propionyl]-4,5,5-triphenyl-oxazolidin-2-one

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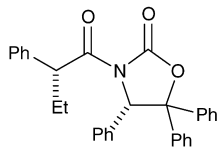
Tetrahedron: Asymmetry *19 (2008) 2223*



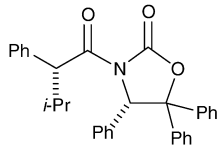
De = 94%; ee >98%
$[\alpha]_D^{20} = -195.2$ (*c* 3.4, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*R*,*S*)

$C_{31}H_{27}NO_3$

(2*R*,4*S*)-3-(2-Phenylbutanoyl)-4,5,5-triphenyl-oxazolidin-2-one

Elliot Coulbeck, Jason Eames *

Tetrahedron: Asymmetry *19 (2008) 2223*



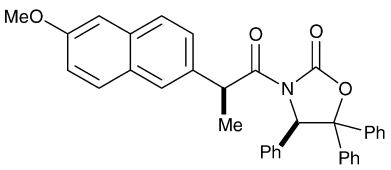
De = 76%; ee >98%
$[\alpha]_D^{20} = -270.9$ (*c* 2.6, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*R*,*S*)

$C_{32}H_{29}NO_3$

(2*R*,4*S*)-3-(2-Phenyl-3-methylbutanoyl)-4,5,5-triphenyl-oxazolidin-2-one

Elliot Coulbeck, Jason Eames *

Tetrahedron: Asymmetry *19 (2008) 2223*



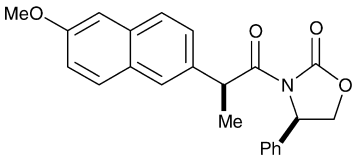
De = 92%; ee >98%
$[\alpha]_D^{20} = +302.5$ (*c* 1.2, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*S*,*R*)

$C_{35}H_{29}NO_4$

(2*S*,4*R*)-3-[2-(6-Methoxynaphth-2-yl)-propionyl]-4,5,5-triphenyl-oxazolidin-2-one

Elliot Coulbeck, Jason Eames *

Tetrahedron: Asymmetry *19 (2008) 2223*



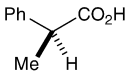
De = 98%; ee >98%
$[\alpha]_D^{20} = +207.5$ (*c* 0.8, $CHCl_3$)
Source of chirality: chiral pool
Absolute configuration: (*S*,*R*)

$C_{23}H_{21}NO_4$

(2*S*,4*R*)-3-[2-(6-Methoxynaphth-2-yl)-propionyl]-4-phenyl-oxazolidin-2-one

Elliot Coulbeck, Jason Eames *

Tetrahedron: Asymmetry *19 (2008) 2223*



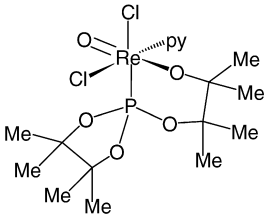
Ee >95%
$[\alpha]_D^{20} = +71.7$ (*c* 1.0, $CHCl_3$)
Source of chirality: resolution
Absolute configuration: (*S*)

$C_9H_{10}O_2$

(*S*)-2-Phenylpropionic acid

Witold K. Rybak *

Tetrahedron: Asymmetry *19 (2008) 2234*



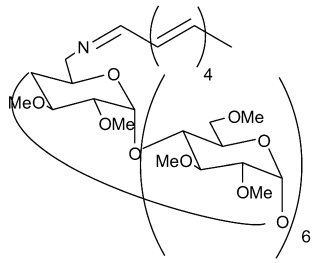
Ee = 100%
$[\alpha]_D^{25} = +1380$ (*c* 0.05, CH_2Cl_2)
Source of chirality: autocatalytic asymmetric synrhesis
Absolute configuration: *C*

$C_{13}H_{27}Cl_2O_5PRe$

[*OC*-6-52-*C*]-Dichlorooxo{2,3-dimethyl-3-(4,4,5,5-tetramethyl-[1,3,2]dioxaphospholan-2-yloxy)-butan-2-oxo}(pyridine)rhenium(V)

Audrey Favrelle, Véronique Bonnet *, Catherine Sarazin, Florence Djedaïni-Pilard

Tetrahedron: Asymmetry *19 (2008) 2240*



$[\alpha]_D^{20} = +10$ (*c* 0.3, $CHCl_3$)

$C_{72}H_{122}NO_{34}$

N-(6^{I}-Deoxy-2^{I},3^{I}-di-*O*-methyl-hexakis(2^{II-VII},3^{II-VII},6^{II-VII}-tri-*O*-methyl) cyclomaltoheptaose)-deca-3,5,7,9-tetraen-1-imine

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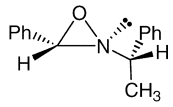
Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



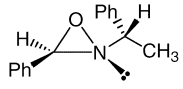
Ee = 100%
$[\alpha]_D^{21.0} = -61.1$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*S*,3*S*)

$C_{15}H_{15}NO$

(−)-(1′*S*,2*S*,3*S*)-3-Phenyl-2-(1-phenylethyl)oxaziridine

Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



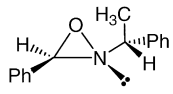
Ee = 100%
$[\alpha]_D^{21.0} = +81.5$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*R*,3*R*)

$C_{15}H_{15}NO$

(+)-(1′*S*,2*R*,3*R*)-3-Phenyl-2-(1-phenylethyl)oxaziridine

Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



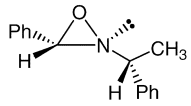
Ee = 100%
$[\alpha]_D^{21.0} = +60.2$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*R*,3*R*)

$C_{15}H_{15}NO$

(+)-(1′*R*,2*R*,3*R*)-3-Phenyl-2-(1-phenylethyl)oxaziridine

Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



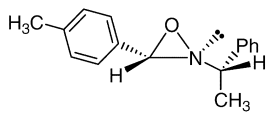
$C_{15}H_{15}NO$

(−)-(1′*R*,2*S*,3*S*)-3-Phenyl-2-(1-phenylethyl)oxaziridine

Ee = 100%
$[\alpha]_D^{21.0} = -79.9$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*S*,3*S*)

Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{16}H_{17}NO$

(−)-(1′*S*,2*S*,3*S*)-2-(1-Phenylethyl)-3-*p*-tolyloxaziridine

Ee = 100%
$[\alpha]_D^{21.3} = -55.0$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*S*,3*S*)

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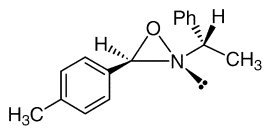
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{16}H_{17}NO$

(+)-(1′*S*,2*R*,3*R*)-2-(1-Phenylethyl)-3-*p*-tolyloxaziridine

Ee = 100%
$[\alpha]_D^{21.3} = +60.1$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*R*,3*R*)

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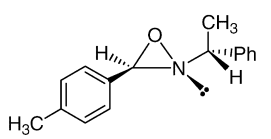
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{16}H_{17}NO$

(+)-(1′*R*,2*R*,3*R*)-2-(1-Phenylethyl)-3-*p*-tolyloxaziridine

Ee = 100%
$[\alpha]_D^{21.3} = +56.7$ (*c* 0.03, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*R*,3*R*)

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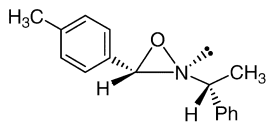
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{16}H_{17}NO$

(−)-(1′*R*,2*S*,3*S*)-2-(1-Phenylethyl)-3-*p*-tolyloxaziridine

Ee = 100%
$[\alpha]_D^{21.3} = -61.1$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*S*,3*S*)

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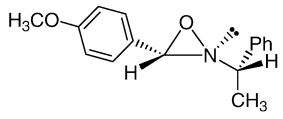
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{16}H_{17}NO_2$

(−)-(1′*S*,2*S*,3*S*)-3-(4-Methoxyphenyl)-2-(1-phenylethyl)oxaziridine

Ee = 100%
$[\alpha]_D^{25.0} = -41.9$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*S*,3*S*)

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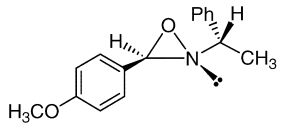
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{16}H_{17}NO_2$

(+)-(1′*S*,2*R*,3*R*)-3-(4-Methoxyphenyl)-2-(1-phenylethyl)oxaziridine

Ee = 100%
$[\alpha]_D^{25.0} = +90.6$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*R*,3*R*)

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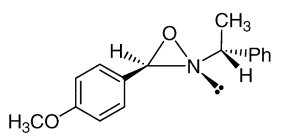
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{16}H_{17}NO_2$

(+)-(1′*R*,2*R*,3*R*)-3-(4-Methoxyphenyl)-2-(1-phenylethyl)oxaziridine

Ee = 100%
$[\alpha]_D^{25.0} = +43.0$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*R*,3*R*)

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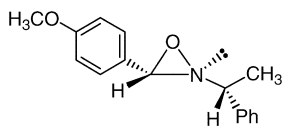
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{16}H_{17}NO_2$

(−)-(1′*R*,2*S*,3*S*)-3-(4-Methoxyphenyl)-2-(1-phenylethyl)oxaziridine

Ee = 100%
$[\alpha]_D^{25.0} = -89.1$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*S*,3*S*)

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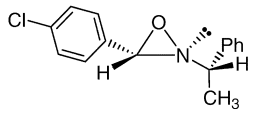
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{15}H_{14}ClNO$

(−)-(1′*S*,2*S*,3*S*)-3-(4-Chlorophenyl)-2-(1-phenylethyl)oxaziridine

Ee = 100%
$[\alpha]_D^{22.1} = -44.1$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*S*,3*S*)

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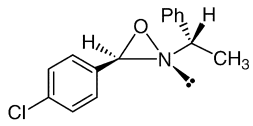
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{15}H_{14}ClNO$

(+)-(1′*S*,2*R*,3*R*)-3-(4-Chlorophenyl)-2-(1-phenylethyl)oxaziridine

Ee = 100%
$[\alpha]_D^{22.1} = +97.3$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*R*,3*R*)

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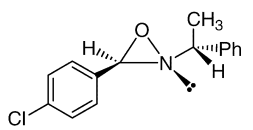
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{15}H_{14}ClNO$

(+)-(1′*R*,2*R*,3*R*)-3-(4-Chlorophenyl)-2-(1-phenylethyl)oxaziridine

Ee = 100%
$[\alpha]_D^{22.1} = +44.6$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*R*,3*R*)

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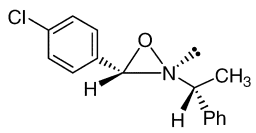
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{15}H_{14}ClNO$

(−)-(1′*R*,2*S*,3*S*)-3-(4-Chlorophenyl)-2-(1-phenylethyl)oxaziridine

Ee = 100%
$[\alpha]_D^{22.1} = -96.1$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*S*,3*S*)

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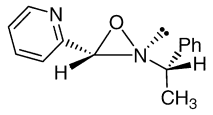
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{14}H_{14}N_2O$

(−)-(1′*S*,2*S*,3*S*)-2-[2-(1-Phenylethyl)oxaziridin-3-yl]pyridine

Ee = 100%
$[\alpha]_D^{24.0} = -78.1$ (*c* 0.03, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*S*,3*S*)

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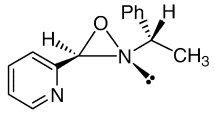
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{14}H_{14}N_2O$

(+)-(1′*S*,2*R*,3*R*)-2-[2-(1-Phenylethyl)oxaziridin-3-yl]pyridine

Ee = 100%
$[\alpha]_D^{24.0} = +91.8$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*R*,3*R*)

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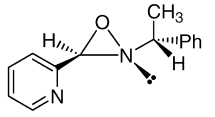
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{14}H_{14}N_2O$

(+)-(1′*R*,2*R*,3*R*)-2-[2-(1-Phenylethyl)oxaziridin-3-yl]pyridine

Ee = 100%
$[\alpha]_D^{24.0} = +77.3$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*R*,3*R*)

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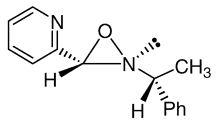
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{14}H_{14}N_2O$

(−)-(1′*R*,2*S*,3*S*)-2-[2-(1-Phenylethyl)oxaziridin-3-yl]pyridine

Ee = 100%
$[\alpha]_D^{24.0} = -92.2$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*S*,3*S*)

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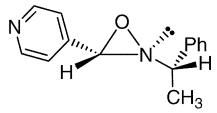
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{14}H_{14}N_2O$

(−)-(1′*S*,2*S*,3*S*)-4-[2-(1-Phenylethyl)oxaziridin-3-yl]pyridine

Ee = 100%
$[\alpha]_D^{22.3} = -103.9$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*S*,3*S*)

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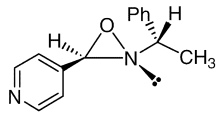
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{14}H_{14}N_2O$

(+)-(1′*S*,2*R*,3*R*)-4-[2-(1-Phenylethyl)oxaziridin-3-yl]pyridine

Ee = 100%
$[\alpha]_D^{22.3} = +37.4$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*R*,3*R*)

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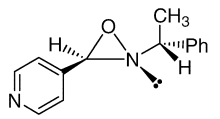

$C_{14}H_{14}N_2O$

(+)-(1′*R*,2*R*,3*R*)-4-[2-(1-Phenylethyl)oxaziridin-3-yl]pyridine

Ee = 100%
$[\alpha]_D^{22.3} = +102.1$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*R*,3*R*)

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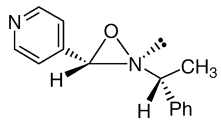

$C_{14}H_{14}N_2O$

(−)-(1′*R*,2*S*,3*S*)-4-[2-(1-Phenylethyl)oxaziridin-3-yl]pyridine

Ee = 100%
$[\alpha]_D^{22.3} = -38.1$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*S*,3*S*)

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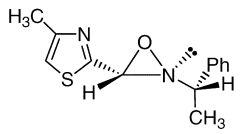
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{13}H_{14}N_2OS$

(−)-(1′*S*,2*S*,3*S*)-4-Methyl-2-[2-(1-phenylethyl)oxaziridin-3-yl]thiazole

Ee = 100%
$[\alpha]_D^{23.0} = -60.2$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*S*,3*S*)

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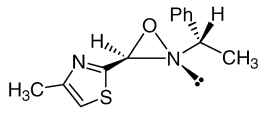

$C_{13}H_{14}N_2OS$

(+)-(1′*S*,2*R*,3*R*)-4-Methyl-2-[2-(1-phenylethyl)oxaziridin-3-yl]thiazole

Ee = 100%
$[\alpha]_D^{23.0} = +84.6$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*R*,3*R*)

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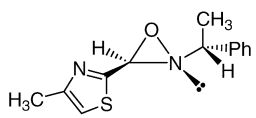

$C_{13}H_{14}N_2OS$

(+)-(1′*R*,2*R*,3*R*)-4-Methyl-2-[2-(1-phenylethyl)oxaziridin-3-yl]thiazole

Ee = 100%
$[\alpha]_D^{23.0} = +58.8$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*R*,3*R*)

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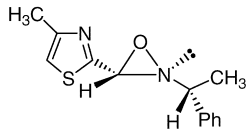
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{13}H_{14}N_2OS$

(−)-(1′*R*,2*S*,3*S*)-4-Methyl-2-[2-(1-phenylethyl)oxaziridin-3-yl]thiazole

Ee = 100%
$[\alpha]_D^{23.0} = -84.1$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*S*,3*S*)

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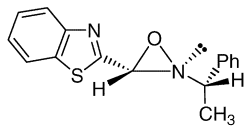
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{16}H_{14}N_2OS$

(−)-(1′*S*,2*S*,3*S*)-2-[2-(1-Phenylethyl)oxaziridin-3-yl]benzothiazole

Ee = 100%
$[\alpha]_D^{21.0} = -55.6$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*S*,3*S*)

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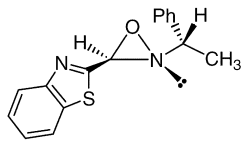
Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{16}H_{14}N_2OS$

(+)-(1′*S*,2*R*,3*R*)-2-[2-(1-Phenylethyl)oxaziridin-3-yl]benzothiazole

Ee = 100%
$[\alpha]_D^{21.0} = +80.3$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,2*R*,3*R*)

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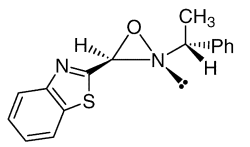

$C_{16}H_{14}N_2OS$

(+)-(1′*R*,2*R*,3*R*)-2-[2-(1-Phenylethyl)oxaziridin-3-yl]benzothiazole

Ee = 100%
$[\alpha]_D^{21.0} = +56.0$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*R*,3*R*)

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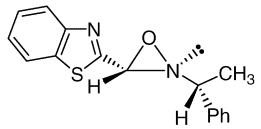

$C_{16}H_{14}N_2OS$

(−)-(1′*R*,2*S*,3*S*)-2-[2-(1-Phenylethyl)oxaziridin-3-yl]benzothiazole

Ee = 100%
$[\alpha]_D^{21.0} = -80.7$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,2*S*,3*S*)

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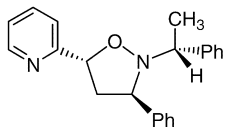

$C_{22}H_{22}N_2O$

(−)-(1′*R*,3*R*,5*R*)-(*trans*)-2-[3-Phenyl-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

Ee = 100%
$[\alpha]_D^{24.0} = -50.1$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,3*R*,5*R*)

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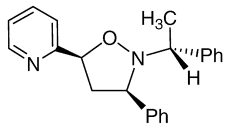

$C_{22}H_{22}N_2O$

(+)-(1′*R*,3*R*,5*S*)-(*cis*)-2-[3-Phenyl-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

Ee = 100%
$[\alpha]_D^{24.0} = +70.4$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,3*R*,5*S*)

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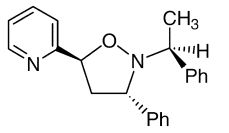

$C_{22}H_{22}N_2O$

(+)-(1′*S*,3*S*,5*S*)-(*trans*)-2-[3-Phenyl-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

Ee = 100%
$[\alpha]_D^{24.0} = +50.0$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,3*S*,5*S*)

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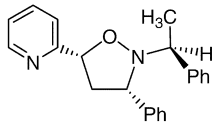

Ee = 100%
$[\alpha]_D^{24.0} = -70.2$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,3*S*,5*R*)

$C_{22}H_{22}N_2O$

(−)-(1′*S*,3*S*,5*R*)-(*cis*)-2-[3-Phenyl-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

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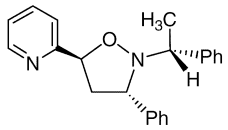

Ee = 100%
$[\alpha]_D^{24.0} = +21.2$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,3*S*,5*S*)

$C_{22}H_{22}N_2O$

(+)-(1′*R*,3*S*,5*S*)-(*trans*)-2-[3-Phenyl-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

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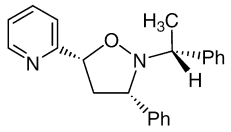

Ee = 100%
$[\alpha]_D^{24.0} = -26.0$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,3*S*,5*R*)

$C_{22}H_{22}N_2O$

(−)-(1′*R*,3*S*,5*R*)-(*cis*)-2-[3-Phenyl-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

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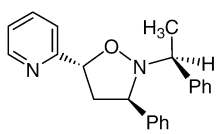


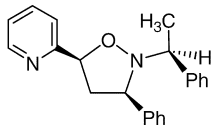
Ee = 100%
$[\alpha]_D^{24.0} = -21.0$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,3*R*,5*R*)

$C_{22}H_{22}N_2O$

(−)-(1′*S*,3*R*,5*R*)-(*trans*)-2-[3-Phenyl-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



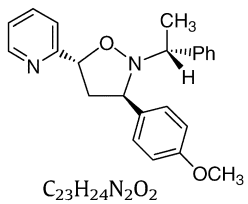
Ee = 100%
$[\alpha]_D^{24.0} = +26.3$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,3*R*,5*S*)

$C_{22}H_{22}N_2O$

(+)-(1′*S*,3*R*,5*S*)-(*cis*)-2-[3-Phenyl-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



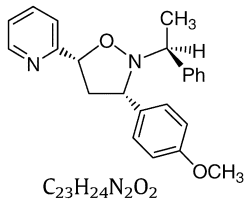
Ee = 100%
$[\alpha]_D^{21.0} = -55.3$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,3*R*,5*R*)

$C_{23}H_{24}N_2O_2$

(−)-(1′*R*,3*R*,5*R*)-(*trans*)-2-[3-(4-Methoxyphenyl)-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



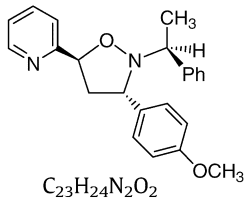
Ee = 100%
$[\alpha]_D^{21.0} = -65.6$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,3*S*,5*R*)

$C_{23}H_{24}N_2O_2$

(−)-(1′*S*,3*S*,5*R*)-(*cis*)-2-[3-(4-Methoxyphenyl)-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



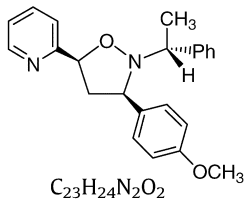
Ee = 100%
$[\alpha]_D^{21.0} = +55.1$ (*c* 0.02, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,3*S*,5*S*)

$C_{23}H_{24}N_2O_2$

(+)-(1′*S*,3*S*,5*S*)-(*trans*)-2-[3-(4-Methoxyphenyl)-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



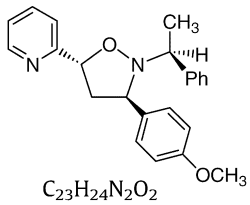
$C_{23}H_{24}N_2O_2$

Ee = 100%
$[\alpha]_D^{21.0}$ = +64.9 (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,3*R*,5*S*)

(+)-(1′*R*,3*R*,5*S*)-(*cis*)-2-[3-(4-Methoxyphenyl)-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



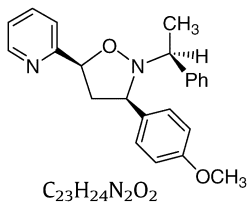
$C_{23}H_{24}N_2O_2$

Ee = 100%
$[\alpha]_D^{21.0} = -15.1$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,3*R*,5*R*)

(−)-(1′*S*,3*R*,5*R*)-(*trans*)-2-[3-(4-Methoxyphenyl)-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



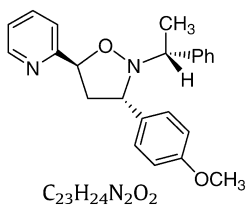
$C_{23}H_{24}N_2O_2$

Ee = 100%
$[\alpha]_D^{21.0} = +30.3$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*S*,3*R*,5*S*)

(+)-(1′*S*,3*R*,5*S*)-(*cis*)-2-[3-(4-Methoxyphenyl)-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



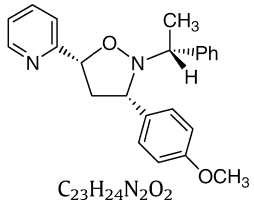
$C_{23}H_{24}N_2O_2$

Ee = 100%
$[\alpha]_D^{21.0} = +15.5$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,3*S*,5*S*)

(+)-(1′*R*,3*S*,5*S*)-(*trans*)-2-[3-(4-Methoxyphenyl)-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

Luigino Troisi *, Sara De Lorenzis, Marilena Fabio, Francesca Rosato, Catia Granito

Tetrahedron: Asymmetry *19 (2008) 2246*



$C_{23}H_{24}N_2O_2$

Ee = 100%
$[\alpha]_D^{21.0} = -31.3$ (*c* 0.01, $CHCl_3$)
Source of chirality: asymmetric induction
Absolute configuration: (1′*R*,3*S*,5*R*)

(−)-(1′*R*,3*S*,5*R*)-(*cis*)-2-[3-(4-Methoxyphenyl)-2-(1-phenylethyl)isoxazolidin-5-yl]pyridine

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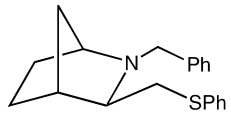
Elżbieta Wojaczyńska, Jacek Skarżewski *

Tetrahedron: Asymmetry *19 (2008) 2252*



$C_{20}H_{23}NS$

$[\alpha]_D^{20} = -13.1$ (*c* 1.56, CH_2Cl_2) >95% ee
Source of chirality: chiral substrate
Absolute configuration: (*S*,*R*,*R*) (by chemical correlation)

(−)-(1*S*,3*R*,4*R*)-2-Benzyl-3-phenylsulfanylmethyl-2-azabicyclo[2.2.1]heptane

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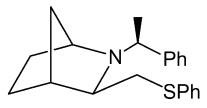
Elżbieta Wojaczyńska, Jacek Skarżewski *

Tetrahedron: Asymmetry *19 (2008) 2252*



$C_{21}H_{25}NS$

$[\alpha]_D^{20} = -5.1$ (*c* 1.47, CH_2Cl_2) >95% ee
Source of chirality: chiral substrates
Absolute configuration: (*S*,*R*,*R*,*S*) (by chemical correlation)

(−)-(1*S*,3*R*,4*R*)-2-[(*S*)-1-Phenylethyl]-3-phenylsulfanylmethyl-2-azabicyclo[2.2.1]heptane

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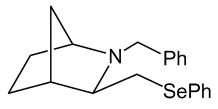
Elżbieta Wojaczyńska, Jacek Skarżewski *

Tetrahedron: Asymmetry *19 (2008) 2252*



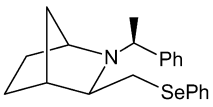
$C_{20}H_{23}NSe$

$[\alpha]_D^{20} = -32.5$ (*c* 0.80, CH_2Cl_2) >95% ee
Source of chirality: chiral substrate
Absolute configuration: (*S*,*R*,*R*) (by chemical correlation)

(−)-(1*S*,3*R*,4*R*)-2-Benzyl-3-phenylselenalylmethyl-2-azabicyclo[2.2.1]heptane

Elżbieta Wojaczyńska, Jacek Skarżewski *

Tetrahedron: Asymmetry *19 (2008) 2252*



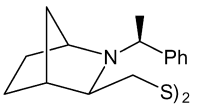
$[\alpha]_D^{20} = -80.3$ (*c* 0.66, CH_2Cl_2) >95% ee
Source of chirality: chiral substrates
Absolute configuration: (*S*,*R*,*R*,*S*) (by chemical correlation)

$C_{21}H_{25}NSe$

(−)-(1*S*,3*R*,4*R*)-2-[(*S*)-1-Phenylethyl]-3-phenylselenalylmethyl-2-azabicyclo[2.2.1]heptane

Elżbieta Wojaczyńska, Jacek Skarżewski *

Tetrahedron: Asymmetry *19 (2008) 2252*



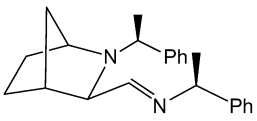
$[\alpha]_D^{20} = -126.6$ (*c* 0.30, CH_2Cl_2) >95% ee
Source of chirality: chiral substrates
Absolute configuration: (*S*,*R*,*R*,*S*) (by chemical correlation)

$C_{30}H_{40}N_2S_2$

(−)-Bis-3-{(1*S*,3*R*,4*R*)-2-[(*S*)-1-phenylethyl]-2-azabicyclo[2.2.1]heptane}methyl disulfide

Elżbieta Wojaczyńska, Jacek Skarżewski *

Tetrahedron: Asymmetry *19 (2008) 2252*



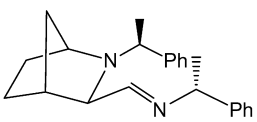
$[\alpha]_D^{20} = -2.5$ (*c* 1.58, CH_2Cl_2) >95% e.e.
Source of chirality: chiral substrates
Absolute configuration: (*S*,*R*,*R*,*S*,*S*) (by chemical correlation)

$C_{23}H_{28}N_2$

(−)-(1*S*,3*R*,4*R*)-2-[(*S*)-1-Phenylethyl]-3-[(*S*)-1-phenylethylimine]methyl-2-azabicyclo[2.2.1]heptane

Elżbieta Wojaczyńska, Jacek Skarżewski *

Tetrahedron: Asymmetry *19 (2008) 2252*



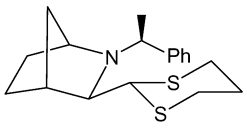
$[\alpha]_D^{20} = +52.9$ (*c* 0.44, CH_2Cl_2) >95% ee
Source of chirality: chiral substrates
Absolute configuration: (*S*,*R*,*R*,*S*,*R*) (by chemical correlation)

$C_{23}H_{28}N_2$

(+)-(1*S*,3*R*,4*R*)-2-[(*S*)-1-Phenylethyl]-3-[(*R*)-1-phenylethylimine]methyl-2-azabicyclo[2.2.1]heptane

Elżbieta Wojaczyńska, Jacek Skarżewski *

Tetrahedron: Asymmetry *19 (2008) 2252*



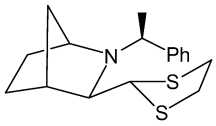
$[\alpha]_D^{20} = +18.4$ (*c* 0.68, CH_2Cl_2, >95% ee)
Source of chirality: chiral substrate
Absolute configuration: (*S*,*R*,*R*,*S*) (by chemical correlation)

$C_{18}H_{25}NS_2$

(+)-(1*S*,3*R*,4*R*)-2-[(*S*)-1-Phenylethyl]-3-(2-dithiane)-2-azabicyclo[2,2,1]heptane

Elżbieta Wojaczyńska, Jacek Skarżewski *

Tetrahedron: Asymmetry *19 (2008) 2252*



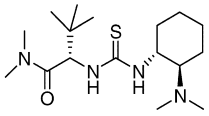
$[\alpha]_D^{20} = +3.4$ (*c* 0.74, CH_2Cl_2) >95% e.e.
Source of chirality: chiral substrate
Absolute configuration: (*S*,*R*,*R*,*S*) (by chemical correlation)

$C_{17}H_{23}NS_2$

(+)-(1*S*,3*R*,4*R*)-2-[(*S*)-1-Phenylethyl]-3-(2-dithiolate)-2-azabicyclo[2.2.1]heptane

Alessandra Puglisi, Maurizio Benaglia *, Rita Annunziata, Davide Rossi

Tetrahedron: Asymmetry *19 (2008) 2258*



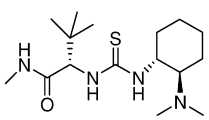
Ee = 99%
$[\alpha]^{23} = +9.5$ (*c* 1.31, $CHCl_3$)

$C_{17}H_{34}N_4OS$

2-[3-(2-Dimethylamino-cyclohexyl)-thioureido]-3,3,*N*,*N*-tetramethyl-butyramide

Alessandra Puglisi, Maurizio Benaglia *, Rita Annunziata, Davide Rossi

Tetrahedron: Asymmetry *19 (2008) 2258*



Ee = 99%
$[\alpha]^{23} = +1.5$ (*c* 1.01, $CHCl_3$)

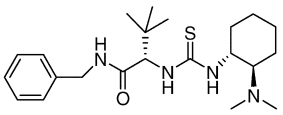
$C_{16}H_{32}N_4OS$

2-[3-(2-Dimethylamino-cyclohexyl)-thioureido]-3,3,*N*-trimethyl-butyramide

Alessandra Puglisi, Maurizio Benaglia *, Rita Annunziata, Davide Rossi

Tetrahedron: Asymmetry *19 (2008) 2258*

Ee = 99%
$[\alpha]^{23} = -6.5$ (*c* 1.06, $CHCl_3$)

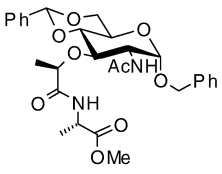


$C_{22}H_{36}N_4OS$

N-Benzyl-2-[3-(2-dimethylamino-cyclohexyl)-thioureido]-3,3-dimethyl-butyramide

Andrej Babič *, Slavko Pečar

Tetrahedron: Asymmetry *19 (2008) 2265*



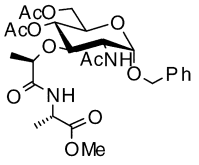
Ee = 100%
$[\alpha]_D^{20} = +44.6$ (*c* 0.21, DMF)
Source of chirality: *N*-acetyl-D-glucosamine, asymmetric synthesis
Absolute configuration: (*S*,*R*)

$C_{29}H_{36}N_2O_9$

(*S*)-Methyl 2-(2-(*R*)-(2-acetamido-1-*O*-benzyl-4,6-*O*-benzylidene-2-deoxy-3-α-D-glucopyranosyloxy)propanamido)propanoate

Andrej Babič *, Slavko Pečar

Tetrahedron: Asymmetry *19 (2008) 2265*



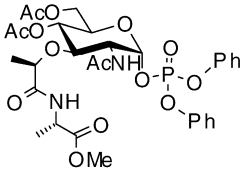
Ee = 100%
$[\alpha]_D^{20} = +77.2$ (*c* 0.18, DMF)
Source of chirality: *N*-acetyl-D-glucosamine, asymmetric synthesis
Absolute configuration: (*S*,*R*)

$C_{26}H_{36}N_2O_{11}$

(*S*)-Methyl 2-(2-(*R*)-(2-acetamido-4,6-di-*O*-acetyl-1-*O*-benzyl-2-deoxy-3-α-D-glucopyranosyloxy)propanamido)propanoate

Andrej Babič *, Slavko Pečar

Tetrahedron: Asymmetry *19 (2008) 2265*



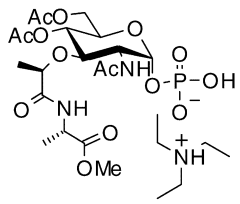
Ee = 100%
$[\alpha]_D^{20} = +61.4$ (*c* 0.22, DMF)
Source of chirality: *N*-acetyl-D-glucosamine, asymmetric synthesis
Absolute configuration: (*S*,*R*)

$C_{31}H_{39}N_2O_{14}P$

(*S*)-Methyl 2-(2-(*R*)-(2-acetamido-2-deoxy-4,6-di-*O*-acetyl-1-*O*-diphenoxyphosphoryl-3-α-D-glucopyranosyloxy)propanamido)-propanoate

Andrej Babič *, Slavko Pečar

Tetrahedron: Asymmetry *19 (2008) 2265*



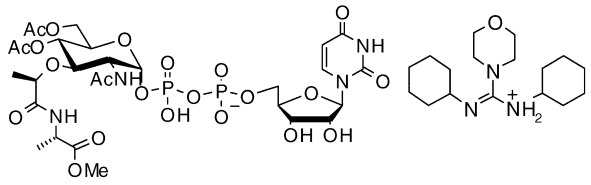
Ee = 100%
$[\alpha]_D^{20} = +39.0$ (*c* 0.09, MeOH)
Source of chirality: *N*-acetyl-D-glucosamine, asymmetric synthesis
Absolute configuration: (*S*,*R*)

$C_{19}H_{31}N_2O_{14}P$

Triethylammonium salt of (*S*)-methyl 2-(2-(*R*)-(2-acetamido-2-deoxy-4,6-di-*O*-acetyl-1-*O*-phosphoryl-3-α-D-glucopyranosyloxy)propanamido)propanoate

Andrej Babič *, Slavko Pečar

Tetrahedron: Asymmetry *19 (2008) 2265*



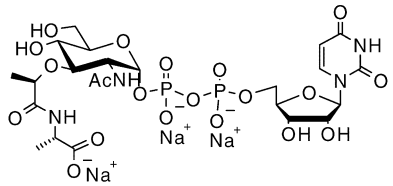
Ee = 100%
$[\alpha]_D^{20} = +105.3$ (*c* 0.08, DMF)
Source of chirality: *N*-acetyl-D-glucosamine, D-uridine, asymmetric synthesis
Absolute configuration: (*S*,*R*)

$C_{28}H_{42}N_4O_{22}P_2 \times C_{17}H_{31}N_3O$

4-Morpholino-*N*,*N*′-dicyclohexylcarboxamidine salt of (*S*)-methyl 2-(2-(*R*)-(2-acetamido-2-deoxy-4,6-di-*O*-acetyl-1-*O*-(uridine-5′-diphosphoryl)-3-α-D-glucopyranosyloxy)propanamido)propanoate

Andrej Babič *, Slavko Pečar

Tetrahedron: Asymmetry *19 (2008) 2265*



Ee = 100%
$[\alpha]_D^{20} = +40.7$ (*c* 0.04, MeOH)
Source of chirality: *N*-acetyl-D-glucosamine, D-uridine, asymmetric synthesis
Absolute configuration: (*S*,*R*)

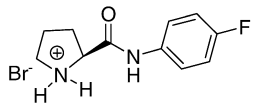
$C_{23}H_{33}N_4O_{20}P_2Na_3$

Trisodium (*S*)-2-(2-(*R*)-(2-acetamido-2-deoxy-1-*O*-(uridine-5′-diphosphoryl)-3-α-D-glucopyranosyloxy)propanamido)propanoate

Swapandeep Singh Chimni *, Sarbjit Singh, Dinesh Mahajan

Tetrahedron: Asymmetry *19 (2008) 2276*

$[\alpha]_D^{20} = -38.8$ (*c* 1.0, MeOH)
Source of chirality: L-proline
Absolute configuration: (*S*)



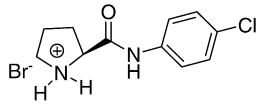
$C_{11}H_{14}N_2OFBr$

(*S*)-2-(4′-Fluorophenylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni *, Sarbjit Singh, Dinesh Mahajan

Tetrahedron: Asymmetry *19 (2008) 2276*

$[\alpha]_D^{20} = -36.4$ (*c* 1.0, MeOH)
Source of chirality: L-proline
Absolute configuration: (*S*)



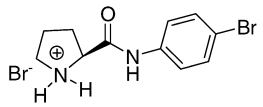
$C_{11}H_{14}N_2OClBr$

(*S*)-2-(4′-Chlorophenylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni *, Sarbjit Singh, Dinesh Mahajan

Tetrahedron: Asymmetry *19 (2008) 2276*

$[\alpha]_D^{20} = -37.4$ (*c* 1.0, MeOH)
Source of chirality: L-proline
Absolute configuration: (*S*)



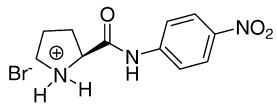
$C_{11}H_{14}N_2OBr_2$

(*S*)-2-(4′-Bromophenylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni *, Sarbjit Singh, Dinesh Mahajan

Tetrahedron: Asymmetry *19 (2008) 2276*

$[\alpha]_D^{20} = -36.3$ (*c* 0.71, MeOH)
Source of chirality: L-proline
Absolute configuration: (*S*)



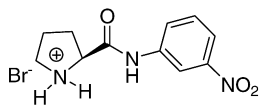
$C_{11}H_{14}N_3O_3Br$

(*S*)-2-(4′-Nitrophenylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni *, Sarbjit Singh, Dinesh Mahajan

Tetrahedron: Asymmetry *19 (2008) 2276*

$[\alpha]_D^{20} = -38.1$ (c 0.94, MeOH)
Source of chirality: L-proline
Absolute configuration: (*S*)

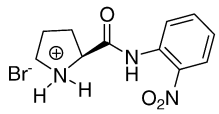


$C_{11}H_{14}N_3O_3Br$

(*S*)-2-(3′-Nitrophenylcarbamoyl)pyrrolidinium bromide

Swapandeep Singh Chimni *, Sarbjit Singh, Dinesh Mahajan

Tetrahedron: Asymmetry *19 (2008) 2276*



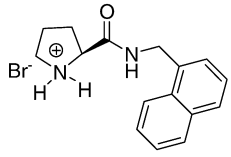
$C_{11}H_{14}N_3O_3Br$

(*S*)-2-(2′-Nitrophenylcarbamoyl)pyrrolidinium bromide

$[\alpha]_D^{20} = -29.7$ (c 0.21, MeOH)
Source of chirality: L-proline
Absolute configuration: (*S*)

Swapandeep Singh Chimni *, Sarbjit Singh, Dinesh Mahajan

Tetrahedron: Asymmetry *19 (2008) 2276*



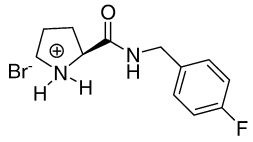
$C_{16}H_{19}N_2OBr$

(*S*)-2-(1′-Naphthmethylcarbamoyl)pyrrolidinium bromide

$[\alpha]_D^{20} = -22.6$ (c 0.41, MeOH)
Source of chirality: L-proline
Absolute configuration: (*S*)

Swapandeep Singh Chimni *, Sarbjit Singh, Dinesh Mahajan

Tetrahedron: Asymmetry *19 (2008) 2276*



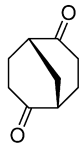
$C_{16}H_{19}N_2OBr$

(*S*)-2-(1′-Naphthmethylcarbamoyl)pyrrolidinium bromide

$[\alpha]_D^{20} = -22.4$ (c 0.49, MeOH)
Source of chirality: L-proline
Absolute configuration: (*S*)

Magnus Carlquist, Carl-Johan Wallentin, Kenneth Wärnmark *, Marie F. Gorwa-Grauslund *

Tetrahedron: Asymmetry *19 (2008) 2293*



$C_9H_{12}O_2$

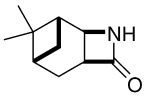
(1S,5*S*)-Bicyclo[3.3.1]nonane-2,6-dione

Ee = 100%
$[\alpha]_D^{25} = +219.0$ (*c* 0.59, $CHCl_3$)
Source of chirality: enzymatic reduction
Absolute configuration: (1*S*,5*S*)

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = -80.0$ (*c* 0.5, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*R*,2*R*,5*S*,7*R*)



$C_{10}H_{15}NO$

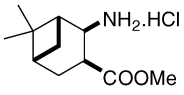
(1*R*,2*R*,5*S*,7*R*)-8,8-Dimethyl-3-azatricyclo[5.1.1.$0^{2,5}$]nonan-4-one

---

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = +4.8$ (*c* 0.5, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*R*,2*R*,3*S*,5*R*)



$C_{11}H_{20}ClNO_2$

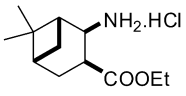
Methyl (1*R*,2*R*,3*S*,5*R*)-2-amino-6,6-dimethylbicyclo[3.1.1]heptane-3-carboxylate hydrochloride

---

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = +23$ (*c* 0.5, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*R*,2*R*,3*S*,5*R*)



$C_{12}H_{22}ClNO_2$

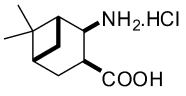
Ethyl (1*R*,2*R*,3*S*,5*R*)-2-amino-6,6-dimethylbicyclo[3.1.1]heptane-3-carboxylate hydrochloride

---

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = +22.5$ (*c* 0.5, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*R*,2*R*,3*S*,5*R*)



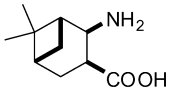
$C_{10}H_{18}ClNO_2$

(1*R*,2*R*,3*S*,5*R*)-2-Amino-6,6-dimethylbicyclo[3.1.1]heptane-3-carboxylic acid hydrochloride

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = -1.6$ (*c* 0.5, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*R*,2*R*,3*S*,5*R*)



$C_{10}H_{17}NO_2$

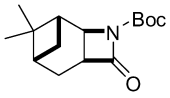
(1*R*,2*R*,3*S*,5*R*)-2-Amino-6,6-dimethylbicyclo[3.1.1]heptane-3-carboxylic acid

---

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = -41.1$ (*c* 0.5, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*R*,2*R*,5*S*,7*R*)



$C_{15}H_{23}NO_3$

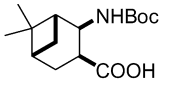
(1*R*,2*R*,5*S*,7*R*)-*N*-*tert*-Butoxycarbonyl-8,8-dimethyl-3-azatricyclo[5.1.1.$0^{2,5}$]nonan-4-one

---

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = +4.6$ (*c* 0.5, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*R*,2*R*,3*S*,5*R*)



$C_{15}H_{25}NO_4$

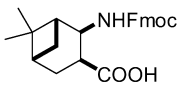
(1*R*,2*R*,3*S*,5*R*)-(2-*tert*-Butoxycarbonylamino)-6,6-dimethylbicyclo[3.1.1]heptane-3-carboxylic acid

---

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = +2$ (*c* 0.25, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*R*,2*R*,3*S*,5*R*)



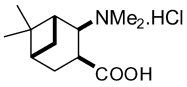
$C_{13}H_{23}NO_2$

(1*R*,2*R*,3*S*,5*R*)-2-(9*H*-Fluoren-9-yl-methoxycarbonylamino)-6,6-dimethylbicyclo[3.1.1]heptane-3-carboxylic acid

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = +10.7$ (*c* 0.505, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*S*,2*S*,3*R*,5*S*)



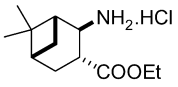
$C_{12}H_{22}ClNO_2$

(1*S*,2*S*,3*R*,5*S*)-2-Dimethylamino-6,6-dimethylbicyclo[3.1.1]heptane-3-carboxylic acid hydrochloride

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = -32.4$ (*c* 0.5, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*R*,2*R*,3*R*,5*R*)



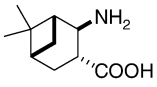
$C_{12}H_{22}ClNO_2$

Ethyl (1*R*,2*R*,3*R*,5*R*)-2-amino-6,6-dimethylbicyclo[3.1.1]heptane-3-carboxylate hydrochloride

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = -42.7$ (*c* 0.5, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*R*,2*R*,3*R*,5*R*)



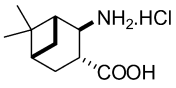
$C_{10}H_{17}NO_{21}$

(1*R*,2*R*,3*R*,5*R*)-2-Amino-6,6-dimethylbicyclo[3.1.1]heptane-3-carboxylic acid

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = -32.6$ (*c* 0.5, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*R*,2*R*,3*R*,5*R*)



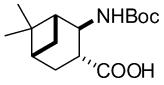
$C_{10}H_{18}ClNO_2$

(1*R*,2*R*,3*R*,5*R*)-2-Amino-6,6-dimethylbicyclo[3.1.1]heptane-3-carboxylic acid hydrochloride

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = -43.3$ (*c* 0.5, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*R*,2*R*,3*R*,5*R*)



$C_{15}H_{25}NO_4$

(1*R*,2*R*,3*R*,5*R*)-(2-*tert*-Butoxycarbonylamino)-6,6-dimethylbicyclo[3.1.1]heptane-3-carboxylic acid

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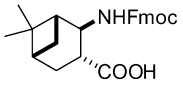
Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = -4$ (*c* 0.25, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal
Absolute configuration: (1*R*,2*R*,3*R*,5*R*)



$C_{25}H_{27}NO_4$

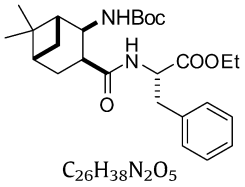
(1*R*,2*R*,3*R*,5*R*)-2-(9*H*-Fluoren-9-yl-methoxycarbonylamino)-6,6-dimethylbicyclo[3.1.1]heptane-3-carboxylic acid

---

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = +22.5$ (*c* 0.5, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal, (*S*)-phenylalanine
Absolute configuration: (2*S*,1′*R*,2′*R*,3′*S*,5′*R*)



$C_{26}H_{38}N_2O_5$

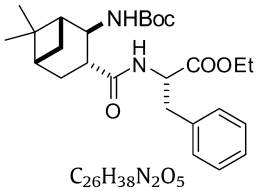
Ethyl (2*S*,1′*R*,2′*R*,3′*S*,5′*R*)-2-[(2′-*tert*-butoxycarbonylamino)-6′,6′-dimethylbicyclo[3.1.1]heptane-3′-carbonyl)]amino-3-phenylpropionate

---

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*

$[\alpha]_D^{20} = -15$ (*c* 0.25, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal, (*S*)-phenylalanine
Absolute configuration: (2*S*,1′*R*,2′*R*,3′*R*,5′*R*)

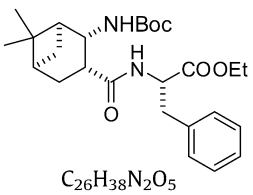


$C_{26}H_{38}N_2O_5$

Ethyl (2*S*,1′*R*,2′*R*,3′*R*,5′*R*)-2-[[(2′-*tert*-butoxycarbonylamino)-6′,6′-dimethylbicyclo[3.1.1]heptane-3′-carbonyl)]amino]-3-phenylpropionate

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*



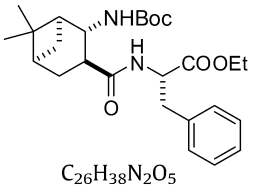
$C_{26}H_{38}N_2O_5$

$[\alpha]_D^{20} = -10$ (*c* 0.25, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal, (*S*)-phenylalanine
Absolute configuration: (2*S*,1′*S*,2′*S*,3′*R*,5′*S*)

Ethyl (2*S*,1′*S*,2′*S*,3′*R*,5′*S*)-2-[(2′-*tert*-butoxycarbonylamino)-6′,6′-dimethylbicyclo[3.1.1]heptane-3′-carbonyl)]amino-3-phenylpropionate

Zsolt Szakonyi, Tamás A. Martinek, Reijo Sillanpää, Ferenc Fülöp *

Tetrahedron: Asymmetry *19 (2008) 2296*



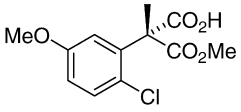
$C_{26}H_{38}N_2O_5$

$[\alpha]_D^{20} = +18$ (*c* 0.25, MeOH)
Source of chirality: (1*R*)-(−)-myrtenal, (*S*)-phenylalanine
Absolute configuration: (2*S*,1′*S*,2′*S*,3′*S*,5′*S*)

Ethyl (2*S*,1′*S*,2′*S*,3′*S*,5′*S*)-2-[[(2′-*tert*-butoxycarbonylamino)-6′,6′-dimethylbicyclo[3.1.1]heptane-3′-carbonyl)]amino]-3-phenylpropionate

Kaori Asakawa, Naoyoshi Noguchi, Shingo Takashima, Masahisa Nakada *

Tetrahedron: Asymmetry *19 (2008) 2304*



$C_{12}H_{13}ClO_5$

Ee = 99%
$[\alpha]_D^{21} = +27.1$ (*c* 1.44, $CHCl_3$)
Source of chirality: pig liver esterase
Absolute configuration: (*R*)

(*R*)-2-Methoxycarbonyl-2-(2-chloro-5-methoxyphenyl)propanoic acid

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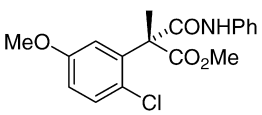
Tetrahedron: Asymmetry *19 (2008) 2304*



$C_{18}H_{18}NClO_4$

Ee = 99%
$[\alpha]_D^{21} = -16.5$ (*c* 1.49, $CHCl_3$)
Source of chirality: pig liver esterase
Absolute configuration: (*R*)

(*R*)-Methyl 2-phenylcarbamoyl-2-(2-chloro-5-methoxyphenyl)propanoate

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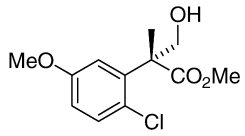
Tetrahedron: Asymmetry *19 (2008) 2304*



Ee = 99%
$[\alpha]_D^{22} = +52.3$ (*c* 1.61, $CHCl_3$)
Source of chirality: pig liver esterase
Absolute configuration: (*R*)

$C_{12}H_{15}ClO_4$

(*R*)-Methyl 2-(2-chloro-5-methoxyphenyl)-3-hydroxy-2-methylpropanoate

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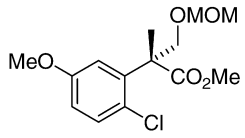
Tetrahedron: Asymmetry *19 (2008) 2304*



Ee = 99%
$[\alpha]_D^{22} = +10.5$ (*c* 0.84, $CHCl_3$)
Source of chirality: pig liver esterase
Absolute configuration: (*R*)

$C_{14}H_{19}ClO_5$

(*R*)-Methyl 2-(2-chloro-5-methoxyphenyl)-3-methoxymethoxy-2-methylpropanoate

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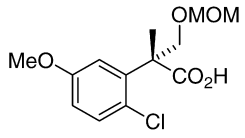
Tetrahedron: Asymmetry *19 (2008) 2304*



Ee = 99%
$[\alpha]_D^{24} = +10.9$ (*c* 1.92, $CHCl_3$)
Source of chirality: pig liver esterase
Absolute configuration: (*R*)

$C_{13}H_{17}ClO_5$

(*R*)-2-(2-Chloro-5-methoxyphenyl)-3-methoxymethoxy-2-methylpropanoic acid

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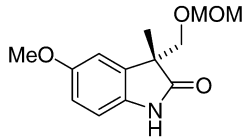
Tetrahedron: Asymmetry *19 (2008) 2304*



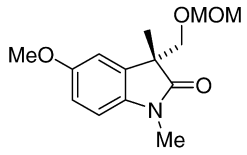
Ee = 99%
$[\alpha]_D^{21} = -36.6$ (*c* 1.34, $CHCl_3$)
Source of chirality: pig liver esterase
Absolute configuration: (*R*)

$C_{13}H_{17}NO_4$

(*R*)-5-Methoxy-3-methoxymethoxymethyl-3-methylindolin-2-one

Kaori Asakawa, Naoyoshi Noguchi, Shingo Takashima, Masahisa Nakada *

Tetrahedron: Asymmetry *19 (2008) 2304*



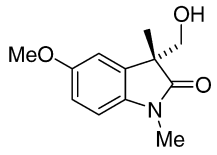
$C_{14}H_{19}NO_4$

(*R*)-5-Methoxy-3-methoxymethoxymethyl-1,3-dimethylindolin-2-one

Ee = 99%
$[\alpha]_D^{26} = -47.3$ (*c* 1.32, $CHCl_3$)
Source of chirality: pig liver esterase
Absolute configuration: (*R*)

Kaori Asakawa, Naoyoshi Noguchi, Shingo Takashima, Masahisa Nakada *

Tetrahedron: Asymmetry *19 (2008) 2304*



$C_{12}H_{15}NO_3$

(*R*)-3-Hydroxymethyl-5-methoxy-1,3-dimethylindolin-2-one

Ee = 99%
$[\alpha]_D^{26} = -15.7$ (*c* 0.84, $CHCl_3$)
Source of chirality: pig liver esterase
Absolute configuration: (*R*)

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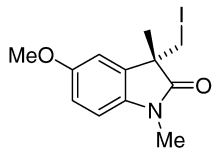
Tetrahedron: Asymmetry *19 (2008) 2304*



$C_{12}H_{14}INO_2$

(*S*)-3-Iodomethyl-5-methoxy-1,3-dimethylindolin-2-one

Ee = 99%
$[\alpha]_D^{28} = -17.3$ (*c* 1.35, $CHCl_3$)
Source of chirality: pig liver esterase
Absolute configuration: (*S*)

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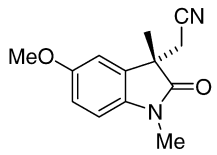
Tetrahedron: Asymmetry *19 (2008) 2304*



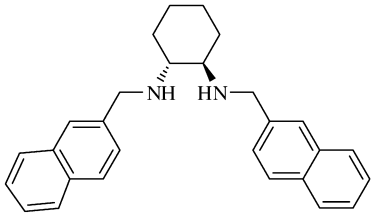
$C_{13}H_{14}N_2O_2$

(*S*)-(5-Methoxy-1,3-dimethyl-2-oxoindolin-3-yl)acetonitrile

Ee = 99%
$[\alpha]_D^{25} = +58.9$ (*c* 1.42, $CHCl_3$)
Source of chirality: pig liver esterase
Absolute configuration: (*S*)

Rafał Kowalczyk, Łukasz Sidorowicz, Jacek Skarżewski *

Tetrahedron: Asymmetry *19 (2008) 2310*



$C_{28}H_{30}N_2$

(1*R*,2*R*)-*N*,*N*′-Bis((naphtalen-2-yl)methyl)cyclohexane-1,2-diamine

$[\alpha]_D = +15.9$ (*c* 0.4, MeOH)
Source of chirality: (1*R*,2*R*)-diaminocyclohexane
Absolute configuration: (*R*,*R*)

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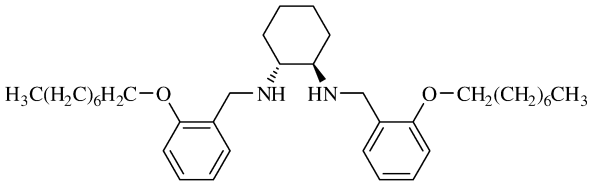
Tetrahedron: Asymmetry *19 (2008) 2310*



$C_{38}H_{58}N_2O_2$

(1*R*,2*R*)-*N*,*N*′-Bis(2(octyloxy)benzyl)cyclohexane-1,2-diamine

$[\alpha]_D = -33.0$ (*c* 0.2, MeOH)
Source of chirality: (1*R*,2*R*)-diaminocyclohexane
Absolute configuration: (*R*,*R*)

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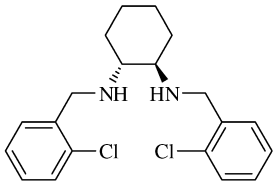
Tetrahedron: Asymmetry *19 (2008) 2310*



$C_{20}H_{24}Cl_2N_2$

(1*R*,2*R*)-*N*,*N*′-Bis(2chlorobenzyl)cyclohexane-1,2-diamine

$[\alpha]_D = -62$ (*c* 0.5, MeOH)
Source of chirality: (1*R*,2*R*)-diaminocyclohexane
Absolute configuration: (*R*,*R*)

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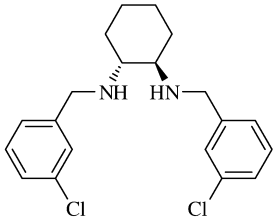
Tetrahedron: Asymmetry *19 (2008) 2310*



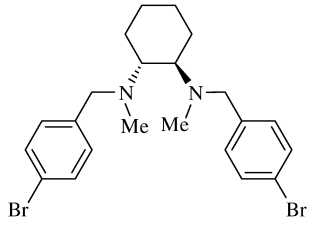
$C_{20}H_{24}Cl_2N_2$

(1*R*,2*R*)-*N*,*N*′-Bis(3-chlorobenzyl)cyclohexane-1,2-diamine

$[\alpha]_D = -53$ (*c* 0.5, MeOH)
Source of chirality: (1*R*,2*R*)-diaminocyclohexane
Absolute configuration: (*R*,*R*)

Rafał Kowalczyk, Łukasz Sidorowicz, Jacek Skarżewski *

Tetrahedron: Asymmetry *19 (2008) 2310*



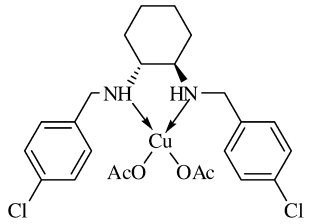
$C_{22}H_{28}Br_2N_2$

(1*R*,2*R*)-*N*,*N*′-Bis(4-bromobenzyl)-*N*,*N*′-dimethylcyclohexane-1,2-diamine

$[\alpha]_D = +10.9$ (*c* 1.6, CH_2Cl_2)
Source of chirality: (1*R*,2*R*)-diaminocyclohexane
Absolute configuration: (*R*,*R*)

Rafał Kowalczyk, Łukasz Sidorowicz, Jacek Skarżewski *

Tetrahedron: Asymmetry *19 (2008) 2310*



$C_{25}H_{32}Cl_2CuN_2O_4$

(1*R*,2*R*)-*N*,*N*′-Bis(4-chlorobenzyl)cyclohexane-1,2-diamine copper(II) acetate

$[\alpha]_D = +475$ (*c* 0.016, CH_2Cl_2)
Source of chirality: (1*R*,2*R*)-diaminocyclohexane
Absolute configuration: (*R*,*R*)

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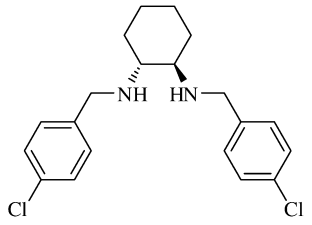
Tetrahedron: Asymmetry *19 (2008) 2310*



$C_{20}H_{24}Cl_2N_2$

(1*R*,2*R*)-*N*,*N*′-Bis(4-chlorobenzyl)cyclohexane-1,2-diamine

$[\alpha]_D = -46.2$ (*c* 0.5, MeOH)
Source of chirality: (1*R*,2*R*)-diaminocyclohexane
Absolute configuration: (*R*,*R*)

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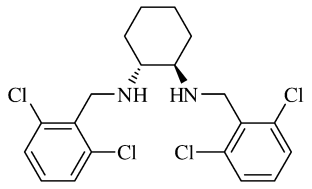
Tetrahedron: Asymmetry *19 (2008) 2310*



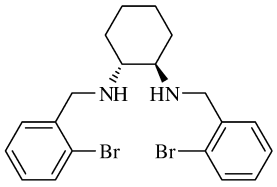
$C_{20}H_{22}Cl_4N_2$

(1*R*,2*R*)-*N*,*N*′-Bis(2,6-dichlorobenzyl)cyclohexane-1,2-diamine

$[\alpha]_D = -36.2$ (*c* 0.9, EtOH)
Source of chirality: (1*R*,2*R*)-diaminocyclohexane
Absolute configuration: (*R*,*R*)

Rafał Kowalczyk, Łukasz Sidorowicz, Jacek Skarżewski *

Tetrahedron: Asymmetry *19 (2008) 2310*



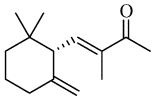
$C_{20}H_{24}Br_2N_2$

(1*R*,2*R*)-*N*,*N*′-Bis(2-bromobenzyl)cyclohexane-1,2-diamine

$[\alpha]_D = -43.9$ (*c* 0.5, MeOH)
Source of chirality: (1*R*,2*R*)-diaminocyclohexane
Absolute configuration: (*R*,*R*)

Assem Barakat, Elisabetta Brenna, Claudio Fuganti, Stefano Serra *

Tetrahedron: Asymmetry *19 (2008) 2316*



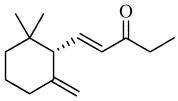
$C_{14}H_{22}O$

(−)-(6*S*)-8-Methyl γ-ionone

Ee = 99%
$[\alpha]_D^{20} = -19.8$ (*c* 1, $CHCl_3$)
Source of chirality: lipase-mediated resolution
Absolute configuration: (6*S*)

Assem Barakat, Elisabetta Brenna, Claudio Fuganti, Stefano Serra *

Tetrahedron: Asymmetry *19 (2008) 2316*



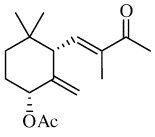
$C_{14}H_{22}O$

(+)-(6*S*)-10-Methyl γ-ionone

Ee = 99%
$[\alpha]_D^{20} = +18.7$ (*c* 1, $CHCl_3$)
Source of chirality: lipase-mediated resolution
Absolute configuration: (6*S*)

Assem Barakat, Elisabetta Brenna, Claudio Fuganti, Stefano Serra *

Tetrahedron: Asymmetry *19 (2008) 2316*



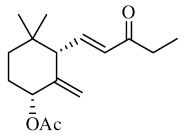
$C_{16}H_{24}O_3$

(−)-(4*R*,6*S*)-4-Acetoxy-8-methyl γ-ionone

Ee = 99% (chiral GC)
$[\alpha]_D^{20} = -17.1$ (*c* 1.5, $CHCl_3$)
Source of chirality: lipase-mediated resolution
Absolute configuration: (4*R*,6*S*)

Assem Barakat, Elisabetta Brenna, Claudio Fuganti, Stefano Serra *

Tetrahedron: Asymmetry *19 (2008) 2316*



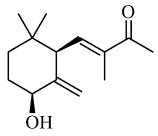
$C_{16}H_{24}O_3$

(+)-(4*R*,6*S*)-4-Acetoxy-10-methyl γ-ionone

Ee = 99% (chiral GC)
$[\alpha]_D^{20} = +27.1$ (*c* 1.7, $CHCl_3$)
Source of chirality: lipase-mediated resolution
Absolute configuration: (4*R*,6*S*)

Assem Barakat, Elisabetta Brenna, Claudio Fuganti, Stefano Serra *

Tetrahedron: Asymmetry *19 (2008) 2316*



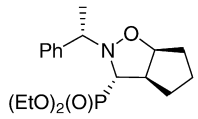
$C_{14}H_{22}O_2$

(+)-(4*S*,6*R*)-4-Hydroxy-8-methyl γ-ionone

Ee = 87%
$[\alpha]_D^{20} = +32.6$ (*c* 1, $CHCl_3$)
Source of chirality: lipase-mediated resolution
Absolute configuration: (4*S*,6*R*)

Dorota G. Piotrowska *

Tetrahedron: Asymmetry *19 (2008) 2323*



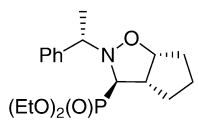
$C_{18}H_{28}NO_4P$

Diethyl (3*S*,3a*R*,6a*S*)-hexahydro-2-[(*S*)-1-phenylethyl]-2*H*-cyclopenta[*d*]isoxazol-3-yl-3-phosphonate

Ee = 100%
$[\alpha]_D^{20} = +69.2$ (*c* 0.9, $CHCl_3$)
Source of chirality: (*S*)-1-phenylethylamine
Absolute configuration: (3*S*,3a*R*,6a*S*,1′*S*)

Dorota G. Piotrowska *

Tetrahedron: Asymmetry *19 (2008) 2323*



$C_{18}H_{28}NO_4P$

Diethyl (3*R*,3a*S*,6a*R*)-hexahydro-2-[(*S*)-1-phenylethyl]-2*H*-cyclopenta[*d*]isoxazol-3-yl-3-phosphonate

Ee = 100%
$[\alpha]_D^{20} = -106.8$ (*c* 1.0, $CHCl_3$)
Source of chirality: (*S*)-1-phenylethylamine
Absolute configuration: (3*R*,3a*S*,6a*R*,1′*S*)

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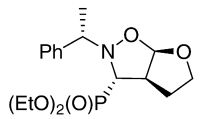
Tetrahedron: Asymmetry *19 (2008) 2323*



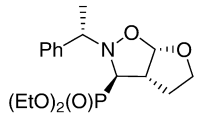
Ee = 100%
$[\alpha]_D^{20} = -17.1$ (*c* 1.2, $CHCl_3$)
Source of chirality: (*S*)-1-phenylethylamine
Absolute configuration: (3*S*,3a*R*,6a*R*,1′*S*)

$C_{17}H_{26}NO_5P$

Diethyl (3*S*,3a*R*,6a*R*)-hexahydro-2-[(*S*)-1-phenylethyl]furo[3,2-*d*]isoxazol-3-yl-3-phosphonate

Dorota G. Piotrowska *

Tetrahedron: Asymmetry *19 (2008) 2323*



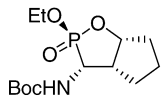
Ee = 100%
$[\alpha]_D^{20} = -91.5$ (*c* 1.3, $CHCl_3$)
Source of chirality: (*S*)-1-phenylethylamine
Absolute configuration: (3*R*,3a*S*,6a*S*,1′*S*)

$C_{17}H_{26}NO_5P$

Diethyl (3*R*,3a*S*,6a*S*)-hexahydro-2-[(*S*)-1-phenylethyl]furo[3,2-*d*]isoxazol-3-yl-3-phosphonate

Dorota G. Piotrowska *

Tetrahedron: Asymmetry *19 (2008) 2323*



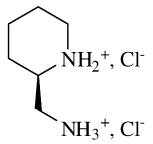
Ee = 100%
$[\alpha]_D^{20} = +98.8$ (*c* 1.0, $CHCl_3$)
Source of chirality: (*S*)-1-phenylethylamine
Absolute configuration: (2*R*,3*R*,3a*S*,6a*R*)

$C_{13}H_{24}NO_5P$

tert-Butyl (2*R*,3*R*,3a*S*,6a*R*)-2-ethoxy-2-oxo-cyclopenta[*d*](1,2-oxaphospholan-3-yl)carbamate

Gildas Deniau, Thomas Moraux, David O'Hagan *, Alexandra M. Z. Slawin

Tetrahedron: Asymmetry *19 (2008) 2330*



$[\alpha]_D^{20} = +2.3$ (*c* 1.4, MeOH)
Source of chirality: (*S*)-L-lysine·HCl
Absolute configuration: (*R*)

$C_6H_{16}Cl_2N_2$

(*R*)-2-(Aminomethyl)piperidine dihydrochloride

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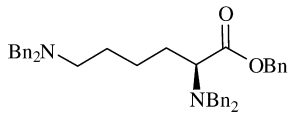
Tetrahedron: Asymmetry *19 (2008) 2330*



$C_{41}H_{44}N_2O_2$

(*S*)-benzyl 2,6-bis(dibenzylamino)hexanoate

$[\alpha]_D^{20} = -46.9$ (*c* 1.6, $CHCl_3$)
Source of chirality: (*S*)-L-lysine·HCl
Absolute configuration: (*S*)

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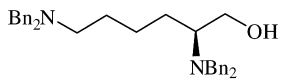
Tetrahedron: Asymmetry *19 (2008) 2330*



$C_{34}H_{40}N_2O$

(*S*)-2,6-Bis(dibenzylamino)hexan-1-ol

$[\alpha]_D^{20} = +49.5$ (*c* 0.8, $CHCl_3$)
Source of chirality: (*S*)-L-lysine·HCl
Absolute configuration: (*S*)

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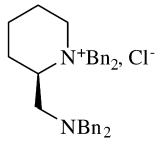
Tetrahedron: Asymmetry *19 (2008) 2330*



$C_{34}H_{39}ClN_2$

(*R*)-1,1-Dibenzyl-2-((dibenzylamino)methyl)piperidinium chloride

$[\alpha]_D^{20} = -73.5$ (*c* 1.1, $CHCl_3$)
Source of chirality: (*S*)-L-lysine·HCl
Absolute configuration: (*R*)