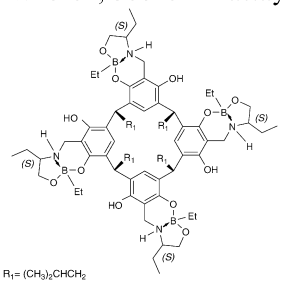
Alicja Wzorek, Jochen Mattay and Waldemar Iwanek*

Tetrahedron: Asymmetry *18 (2007) 815*



$C_{72}H_{112}N_4O_{12}B_4$

Ee = 98%

$[\alpha]_D^{25} = +11.4$ (*c* 0.31, CH_3OH)

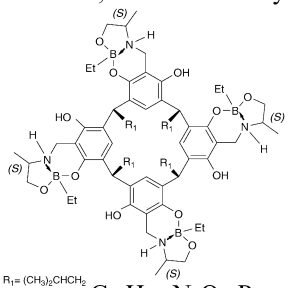
Source of chirality: Mannich synthesis using chiral amino alcohol

Absolute configuration: (P,S,S,S_N,S_B)

out-(P,S,S,S_N,S_B)-Dioxazaboronine derivative of C-isobutylresorcin[4]arene and (*S*)-2-amino-1-butanol

Alicja Wzorek, Jochen Mattay and Waldemar Iwanek*

Tetrahedron: Asymmetry *18 (2007) 815*



$C_{68}H_{104}N_4O_{12}B_4$

Ee = 98%

$[\alpha]_D^{25} = +1.6$ (*c* 0.46, CH_3OH)

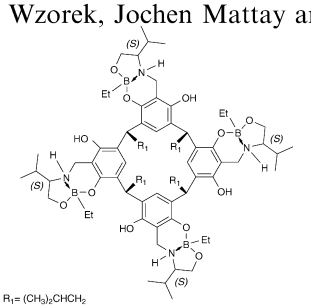
Source of chirality: Mannich synthesis using chiral amino alcohol

Absolute configuration: (P,S,S,S_N,S_B)

out-(P,S,S,S_N,S_B)-Dioxazaboronine derivative of C-isobutylresorcin[4]arene and (*S*)-alaninol

Alicja Wzorek, Jochen Mattay and Waldemar Iwanek*

Tetrahedron: Asymmetry *18 (2007) 815*



$C_{76}H_{120}N_4O_{12}B_4$

Ee = 98%

$[\alpha]_D^{25} = +16.4$ (*c* 0.50, CH_3OH)

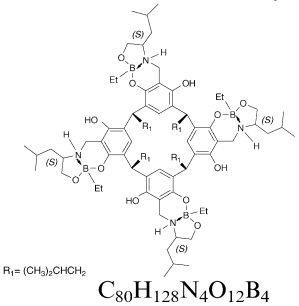
Source of chirality: Mannich synthesis using chiral amino alcohol

Absolute configuration: (P,S,S,S_N,S_B)

out-(P,S,S,S_N,S_B)-Dioxazaboronine derivative of C-isobutylresorcin[4]arene and (*S*)-valinol

Alicja Wzorek, Jochen Mattay and Waldemar Iwanek*

Tetrahedron: Asymmetry *18 (2007) 815*



$C_{80}H_{128}N_4O_{12}B_4$

Ee = 98%

$[\alpha]_D^{25} = +0.5$ (*c* 0.35, CH_3OH)

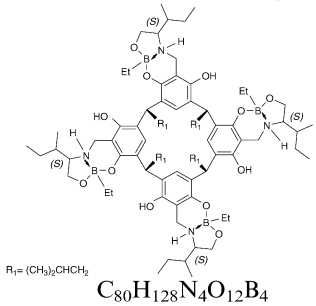
Source of chirality: Mannich synthesis using chiral amino alcohol

Absolute configuration: (P,S,S,S_N,S_B)

out-(P,S,S,S_N,S_B)-Dioxazaboronine derivative of C-isobutylresorcin[4]arene and (*S*)-leucinol

Alicja Wzorek, Jochen Mattay and Waldemar Iwanek*

Tetrahedron: Asymmetry *18 (2007) 815*



$C_{80}H_{128}N_4O_{12}B_4$

Ee = 100%

$[\alpha]_D^{25} = +20.7$ (*c* 0.50, CH_3OH)

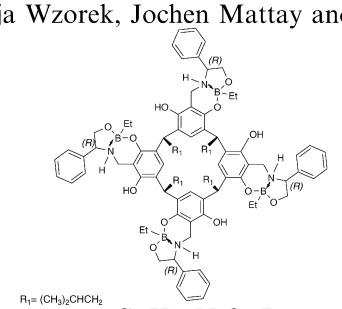
Source of chirality: Mannich synthesis with using chiral amino alcohol

Absolute configuration: (P,S,S,S_N,S_B)

out-(P,S,S,S_N,S_B)-Dioxazaboronine derivative of C-isobutylresorcin[4]arene and (*S*)-*iso*-leucinol

Alicja Wzorek, Jochen Mattay and Waldemar Iwanek*

Tetrahedron: Asymmetry *18 (2007) 815*



$C_{88}H_{112}N_4O_{12}B_4$

Ee = 98%

$[\alpha]_D^{25} = -86.0$ (*c* 0.50, CH_3OH)

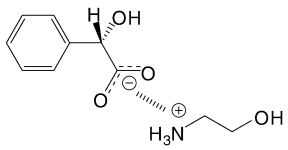
Source of chirality: Mannich synthesis with using chiral amino alcohol

Absolute configuration: (M,R,R,R_N,R_B)

out-(M,R,R,R_N,R_B)-Dioxazaboronine derivative of C-isobutylresorcin[4]arene and (*R*)-phenylglycinol

Nicolas Wermester, Eric Aubin, Morgan Pauchet, Servane Coste and Gérard Coquerel*

Tetrahedron: Asymmetry *18 (2007) 821*



$C_{10}H_{15}NO_4$

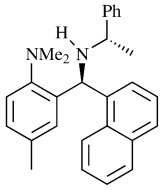
Ethanolamine mandelate (E.M.)

Asymmetric centre: carbon

(*S*)-(+)-E.M. $[\alpha]_{365nm}^{25} = +140$ (*c* 1, CH_3OH)

Wenge Wang, Fengnian Ma, Xiumin Shen and Cong Zhang*

Tetrahedron: Asymmetry *18 (2007) 832*



$C_{28}H_{30}N_2$

N,*N*,4-Trimethyl-2-[(*S*)-{[(*S*)-1-phenylethyl]amino}(1-naphthyl)methyl]aniline

Ee = 100%

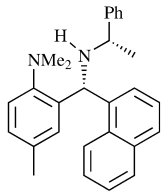
$[\alpha]_D^{20} = +113.2$ (*c* 1.55, $CHCl_3$)

Source of chirality: (*S*)-α-phenylethylamine

Absolute configuration: (*S*,*S*)

Wenge Wang, Fengnian Ma, Xiumin Shen and Cong Zhang*

Tetrahedron: Asymmetry *18 (2007) 832*



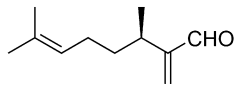
$C_{28}H_{30}N_2$

N,*N*,4-Trimethyl-2-[(*R*)-{[(*S*)-1-phenylethyl]amino}(1-naphthyl)methyl]aniline

Ee = 100%
$[\alpha]_D^{20} = -12.6$ (*c* 1.35, $CHCl_3$)
Source of chirality: (*S*)-α-phenylethylamine
Absolute configuration: (*R*,*S*)

Kenji Mori

Tetrahedron: Asymmetry *18 (2007) 838*



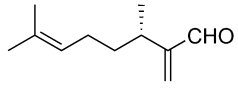
$C_{11}H_{18}O$

(*R*)-3,7-Dimethyl-2-methylene-6-octenal

$[\alpha]_D^{24} = -13.6$ (*c* 3.45, hexane)
Source of chirality: (*R*)-citronellal
Absolute configuration: (*R*)

Kenji Mori

Tetrahedron: Asymmetry *18 (2007) 838*



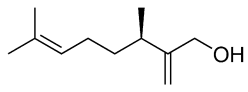
$C_{11}H_{18}O$

(*S*)-3,7-Dimethyl-2-methylene-6-octenal

$[\alpha]_D^{24} = +13.1$ (*c* 4.72, hexane)
Source of chirality: (*S*)-citronellal
Absolute configuration: (*S*)

Kenji Mori

Tetrahedron: Asymmetry *18 (2007) 838*



$C_{11}H_{20}O$

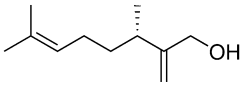
(*R*)-3,7-Dimethyl-2-methylene-6-octen-1-ol

$[\alpha]_D^{25} = -19.4$ (*c* 4.50, hexane)
Source of chirality: (*R*)-citronellal
Absolute configuration: (*R*)

Kenji Mori

Tetrahedron: Asymmetry *18 (2007) 838*

$[\alpha]_D^{22} = +19.0$ (*c* 4.19, hexane)
Source of chirality: (*S*)-citronellal
Absolute configuration: (*S*)

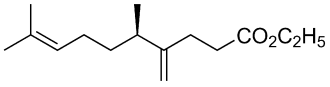


$C_{11}H_{20}O$
(*S*)-3,7-Dimethyl-2-methylene-6-octen-1-ol

Kenji Mori

Tetrahedron: Asymmetry *18 (2007) 838*

$[\alpha]_D^{21} = -11.6$ (*c* 4.85, hexane)
Source of chirality: (*R*)-citronellal
Absolute configuration: (*R*)

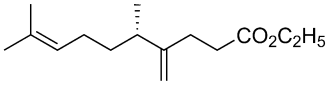


$C_{15}H_{26}O_2$
Ethyl (*R*)-5,9-dimethyl-4-methylene-8-decenoate

Kenji Mori

Tetrahedron: Asymmetry *18 (2007) 838*

$[\alpha]_D^{24} = +11.5$ (*c* 5.03, hexane)
Source of chirality: (*S*)-citronellal
Absolute configuration: (*S*)

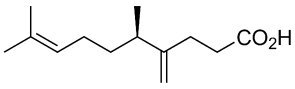


$C_{15}H_{26}O_2$
Ethyl (*S*)-5,9-dimethyl-4-methylene-8-decenoate

Kenji Mori

Tetrahedron: Asymmetry *18 (2007) 838*

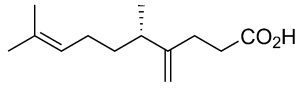
$[\alpha]_D^{23} = -14.0$ (*c* 4.41, hexane)
Source of chirality: (*R*)-citronellal
Absolute configuration: (*R*)



$C_{13}H_{22}O_2$
(*R*)-5,9-Dimethyl-4-methylene-8-decenoic acid

Kenji Mori

Tetrahedron: Asymmetry *18 (2007) 838*



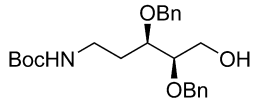
$C_{13}H_{22}O_2$

(*S*)-5,9-Dimethyl-4-methylene-8-decenoic acid

$[\alpha]_D^{23} = +13.9$ (*c* 4.28, hexane)
Source of chirality: (*S*)-citronellal
Absolute configuration: (*S*)

Hajime Yokoyama, Hiromi Ejiri, Masahiro Miyazawa, Seiji Yamaguchi and Yoshiro Hirai*

Tetrahedron: Asymmetry *18 (2007) 852*



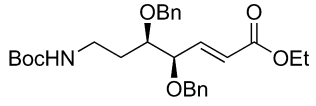
$C_{24}H_{33}O_5N$

(2*R*,3*R*)-5-[*N*-(*tert*-Butoxycarbonyl)amino]-2,3-dibenzyloxypentan-1-ol

Ee = 74% (det. by ^{1}H NMR of *O*-methylmandelate ester)
$[\alpha]_D^{24} = +16.8$ (*c* 0.25, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*R*,3*R*)

Hajime Yokoyama, Hiromi Ejiri, Masahiro Miyazawa, Seiji Yamaguchi and Yoshiro Hirai*

Tetrahedron: Asymmetry *18 (2007) 852*



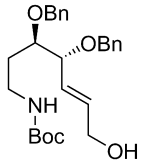
$C_{28}H_{37}O_6N$

(4*R*,5*R*)-Ethyl-7-[*N*-(*tert*-butoxycarbonyl)amino]-4,5-dibenzyloxy-2-heptenate

$[\alpha]_D^{24} = +7.9$ (*c* 1.0, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (4*R*,5*R*)

Hajime Yokoyama, Hiromi Ejiri, Masahiro Miyazawa, Seiji Yamaguchi and Yoshiro Hirai*

Tetrahedron: Asymmetry *18 (2007) 852*



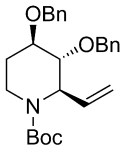
$C_{26}H_{35}O_5N$

(4*R*,5*R*)-Ethyl-7-[*N*-(*tert*-butoxycarbonyl)amino]-4,5-dibenzyloxy-2-hepten-1-ol

$[\alpha]_D^{24} = +14.0$ (*c* 0.27, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (4*R*,5*R*)

Hajime Yokoyama, Hiromi Ejiri, Masahiro Miyazawa, Seiji Yamaguchi and Yoshiro Hirai*

Tetrahedron: Asymmetry *18 (2007) 852*



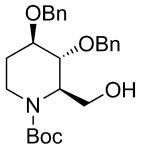
$[\alpha]_D^{24} = -18.6$ (*c* 0.85, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*R*,3*R*,4*R*)

$C_{26}H_{33}O_4N$

(2*R*,3*R*,4*R*)-*N*-*tert*-Butoxycarbonyl-3,4-dibenzyloxy-2-vinylpiperidine

Hajime Yokoyama, Hiromi Ejiri, Masahiro Miyazawa, Seiji Yamaguchi and Yoshiro Hirai*

Tetrahedron: Asymmetry *18 (2007) 852*



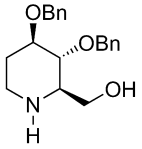
$[\alpha]_D^{25}$ − 45.6 (*c* 1.0, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*R*,3*R*,4*R*)

$C_{25}H_{33}O_5N$

(2*R*,3*R*,4*R*)-(*N*-*tert*-Butoxycarbonyl-3,4-dibenzyloxy-2-piperidinyl)-methanol

Hajime Yokoyama, Hiromi Ejiri, Masahiro Miyazawa, Seiji Yamaguchi and Yoshiro Hirai*

Tetrahedron: Asymmetry *18 (2007) 852*



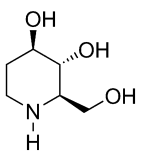
$[\alpha]_D^{26} = +11.6$ (*c* 0.80, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*R*,3*R*,4*R*)

$C_{20}H_{25}O_3N$

(2*R*,3*R*,4*R*)-3,4-Dibenzyloxy-1,5-imino-1,2,5-trideoxy-D-arabino hexitol

Hajime Yokoyama, Hiromi Ejiri, Masahiro Miyazawa, Seiji Yamaguchi and Yoshiro Hirai*

Tetrahedron: Asymmetry *18 (2007) 852*



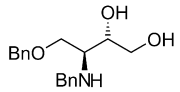
$[\alpha]_D^{27} = +13.4$ (*c* 0.86, H_2O)
Source of chirality: asymmetric synthesis

$C_6H_{13}O_3N$

Fagomine, [1,5-imino-1,2,5-trideoxy-D-arabino hexitol]

Yves Génisson,* Lydia Lamandé, Yahya Salma,
Nathalie Andrieu-Abadie, Chantal André and Michel Baltas

Tetrahedron: Asymmetry *18 (2007) 857*

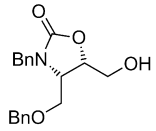


Ee = 90%
$[\alpha]_D^{20} = +28.0$ (*c* 1.40, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*,3*S*)

$C_{18}H_{23}NO_3$
(2*S*,3*S*)-3-Benylamino-4-(benzyloxy)propan-1,2-diol

Yves Génisson,* Lydia Lamandé, Yahya Salma,
Nathalie Andrieu-Abadie, Chantal André and Michel Baltas

Tetrahedron: Asymmetry *18 (2007) 857*

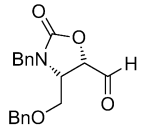


Ee = 90%
$[\alpha]_D^{20} = +27.5$ (*c* 1.30, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (4*S*,5*S*)

$C_{19}H_{21}NO_4$
(4*S*,5*S*)-3-Benzyl-4-(benzyloxymethyl)-5-(hydroxymethyl)-2-oxazolidinone

Yves Génisson,* Lydia Lamandé, Yahya Salma,
Nathalie Andrieu-Abadie, Chantal André and Michel Baltas

Tetrahedron: Asymmetry *18 (2007) 857*

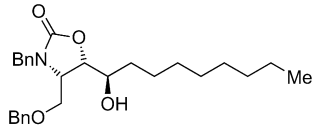


Ee = 90%
$[\alpha]_D^{20} = +11.0$ (*c* 2.20, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (4*S*,5*S*)

$C_{19}H_{19}NO_4$
(4*S*,5*S*)-3-Benzyl-4-(benzyloxymethyl)-5-(formyl)-2-oxazolidinone

Yves Génisson,* Lydia Lamandé, Yahya Salma,
Nathalie Andrieu-Abadie, Chantal André and Michel Baltas

Tetrahedron: Asymmetry *18 (2007) 857*

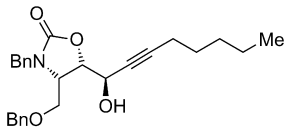


Ee = 90%
$[\alpha]_D^{20} = +26.4$ (*c* 1.65, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (4*S*,5*S*)

$C_{27}H_{37}NO_4$
(4*S*,5*S*)-3-Benzyl-4-(benzyloxymethyl)-5-[(1*R*)-1-(hydroxyoctyl)]-2-oxazolidinone

Yves Génisson,* Lydia Lamandé, Yahya Salma,
Nathalie Andrieu-Abadie, Chantal André and Michel Baltas

Tetrahedron: Asymmetry *18 (2007) 857*



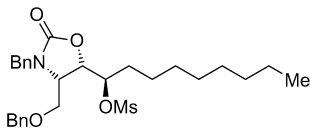
Ee = 90%
$[\alpha]_D^{20} = +22.0$ (*c* 1.32, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (4*S*,5*S*)

$C_{26}H_{31}NO_4$

(4*S*,5*S*)-3-Benzyl-4-(benzyloxymethyl)-5-[(1*R*)-1-hydroxy-2-(heptynyl)]-2-oxazolidinone

Yves Génisson,* Lydia Lamandé, Yahya Salma,
Nathalie Andrieu-Abadie, Chantal André and Michel Baltas

Tetrahedron: Asymmetry *18 (2007) 857*



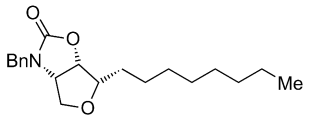
Ee = 90%
$[\alpha]_D^{20} = +26.0$ (*c* 1.0, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (4*S*,5*S*)

$C_{28}H_{39}NO_6S$

(4*S*,5*S*)-3-Benzyl-4-(benzyloxymethyl)-5-[(1*R*)-1-(methanesulfonyloxyoctyl)]-2-oxazolidinone

Yves Génisson,* Lydia Lamandé, Yahya Salma,
Nathalie Andrieu-Abadie, Chantal André and Michel Baltas

Tetrahedron: Asymmetry *18 (2007) 857*



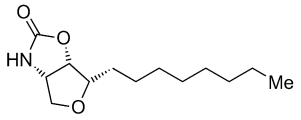
Ee = 90%
$[\alpha]_D^{20} = +69.5$ (*c* 1.0, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3a*S*,6*S*,6a*S*)

$C_{20}H_{29}NO_3$

(3a*S*,6*S*,6a*S*)-3-Benzyl-6-octyltetrahydrofuro[3,4-*d*][1,3]oxazol-2(3*H*)-one

Yves Génisson,* Lydia Lamandé, Yahya Salma,
Nathalie Andrieu-Abadie, Chantal André and Michel Baltas

Tetrahedron: Asymmetry *18 (2007) 857*



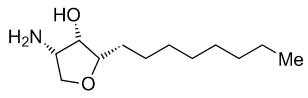
Ee = 90%
$[\alpha]_D^{20} = +77.7$ (*c* 0.6, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (3a*S*,6*S*,6a*S*)

$C_{13}H_{23}NO_3$

(3a*S*,6*S*,6a*S*)-6-Octyltetrahydrofuro[3,4-*d*][1,3]oxazol-2(3*H*)-one

Yves Génisson,* Lydia Lamandé, Yahya Salma, Nathalie Andrieu-Abadie, Chantal André and Michel Baltas

Tetrahedron: Asymmetry *18 (2007) 857*

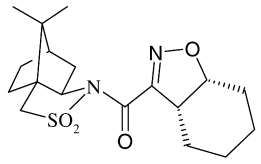


Ee = 90%
$[\alpha]_D^{20} = +20.0$ (*c* 0.5 $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*,3*S*,4*S*)

$C_{12}H_{25}NO_2$
(2*S*,3*S*,4*S*)-4-Amino-2-(octyl)tetrahydrofuran-3-ol

Jan Romański, Julita Jóźwik, Christian Chapuis, Monika Asztemborska and Janusz Jurczak*

Tetrahedron: Asymmetry *18 (2007) 865*



$[\alpha]_D^{23} = -105$ (*c* 0.59, $CHCl_3$)
Absolute configuration: (2*R*)

$C_{18}H_{26}O_4N_2S$
3a,4,5,6,7,7a-Hexahydro-1,2-benzisoxazole-3-carboxylic acid (2′*R*)-*N*-bornane-10′,2′-sultam imide

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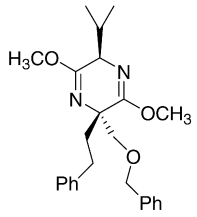
Athanasios Yiotakis, Plato A. Magriotis and Stamatia Vassiliou*

Tetrahedron: Asymmetry *18 (2007) 873*



Ee >99%
$[\alpha]_D^{25} = -31.0$ (*c* 1, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (3*S*,6*R*)

$C_{25}H_{32}N_2O_3$
(3*S*,6*R*)-3-[(Benzyloxy)methyl]-6-isopropyl-1,4-dimethoxy-3-phenethyl-3,6-dihydropyrazine

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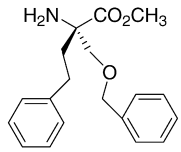
Athanasios Yiotakis, Plato A. Magriotis and Stamatia Vassiliou*

Tetrahedron: Asymmetry *18 (2007) 873*

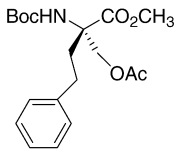


Ee >99%
$[\alpha]_D^{25} = -17.1$ (*c* 1, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*)

$C_{19}H_{23}NO_3$
Methyl (2*S*)-2-amino-2-[(benzyloxy)methyl]-4-phenylbutanoate

Athanasios Yiotakis, Plato A. Magriotis and Stamatia Vassiliou*

Tetrahedron: Asymmetry *18 (2007) 873*



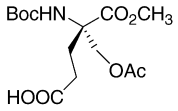
Ee >99%
$[\alpha]_D^{25} = -9.8$ (*c* 1, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*)

$C_{19}H_{27}NO_6$

Methyl (2*S*)-2-[(acetyloxy)methyl]-2-[(*tert*-butoxycarbonyl)amino]-4-phenylbutanoate

Athanasios Yiotakis, Plato A. Magriotis and Stamatia Vassiliou*

Tetrahedron: Asymmetry *18 (2007) 873*



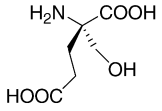
Ee >99%
$[\alpha]_D^{25} = +2.5$ (*c* 1, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (4*S*)

$C_{14}H_{23}NO_8$

(4*S*)-4-[(Acetyloxy)methyl]-4-[(*tert*-butoxycarbonyl)amino]-5-methoxy-5-oxopentanoic acid

Athanasios Yiotakis, Plato A. Magriotis and Stamatia Vassiliou*

Tetrahedron: Asymmetry *18 (2007) 873*



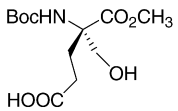
Ee >99%
$[\alpha]_D^{25} = +4.5$ (*c* 1, H_2O)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*)

$C_6H_{11}NO_5$

(2*S*)-2-Hydroxymethylglutamic acid

Athanasios Yiotakis, Plato A. Magriotis and Stamatia Vassiliou*

Tetrahedron: Asymmetry *18 (2007) 873*



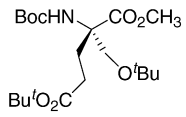
Ee >99%
$[\alpha]_D^{25} = -22.5$ (*c* 1, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (4*S*)

$C_{12}H_{21}NO_7$

(4*S*)-4-[(*tert*-Butoxycarbonyl)amino]-4-(hydroxymethyl)-5-methoxy-5-oxopentanoic acid

Athanasios Yiotakis, Plato A. Magriotis and Stamatia Vassiliou*

Tetrahedron: Asymmetry *18 (2007) 873*



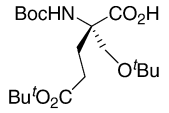
Ee >99%
$[\alpha]_D^{25} = -6.9$ (*c* 1, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*)

$C_{20}H_{37}NO_7$

5-(*tert*-Butyl)-1-methyl (2*S*)-2-[(*tert*-butoxycarbonyl)amino]-2-(*tert*-butoxymethyl)pentanedioate

Athanasios Yiotakis, Plato A. Magriotis and Stamatia Vassiliou*

Tetrahedron: Asymmetry *18 (2007) 873*



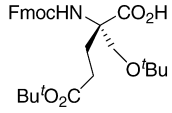
Ee >99%
$[\alpha]_D^{25} = -3.8$ (*c* 1, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*)

$C_{19}H_{35}NO_7$

(2*S*)-5-(*tert*-Butoxy)-2-[(*tert*-butoxycarbonyl)amino]-2-(*tert*-butoxymethyl)-5-oxopentanoic acid

Athanasios Yiotakis, Plato A. Magriotis and Stamatia Vassiliou*

Tetrahedron: Asymmetry *18 (2007) 873*



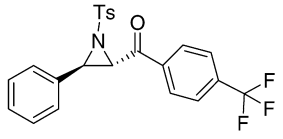
Ee >99%
$[\alpha]_D^{25} = -4.1$ (*c* 1, CH_2Cl_2)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*)

$C_{29}H_{37}NO_7$

(2*S*)-5-(*tert*-Butoxy)-2-(*tert*-butoxymethyl)-2-[(9*H*-fluoren-9-ylmethoxy)carbonyl]amino-5-oxopentanoic acid

Linge Ma, Peng Jiao, Qihan Zhang, Da-Ming Du and Jiaxi Xu*

Tetrahedron: Asymmetry *18 (2007) 878*



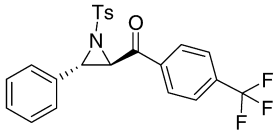
Ee = 44%
$[\alpha]_D^{16} = +8.85$ (*c* 0.87, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*,3*R*)

$C_{23}H_{18}F_3NO_3S$

(2*S*,3*R*)-3-Phenyl-2-(4-trifluoromethylbenzoyl)-1-(*p*-tolylsulfonyl)aziridine

Linge Ma, Peng Jiao, Qihan Zhang, Da-Ming Du and Jiaxi Xu*

Tetrahedron: Asymmetry *18 (2007) 878*



$C_{23}H_{18}F_3NO_3S$

(2*R*,3*S*)-3-Phenyl-2-(4-trifluoromethylbenzoyl)-1-(*p*-tolylsulfonyl)aziridine

Ee = 65%

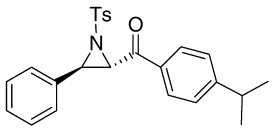
$[\alpha]_D^{16} = -13.9$ (*c* 1.0, $CHCl_3$)

Source of chirality: asymmetric synthesis

Absolute configuration: (2*R*,3*S*)

Linge Ma, Peng Jiao, Qihan Zhang, Da-Ming Du and Jiaxi Xu*

Tetrahedron: Asymmetry *18 (2007) 878*



$C_{25}H_{25}NO_3S$

(2*S*,3*R*)-2-(4-Isopropylbenzoyl)-3-phenyl-1-(*p*-tolylsulfonyl)aziridine

Ee = 66%

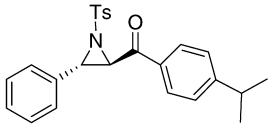
$[\alpha]_D^{20} = +5.7$ (*c* 0.80, $CHCl_3$)

Source of chirality: asymmetric synthesis

Absolute configuration: (2*S*,3*R*)

Linge Ma, Peng Jiao, Qihan Zhang, Da-Ming Du and Jiaxi Xu*

Tetrahedron: Asymmetry *18 (2007) 878*



$C_{25}H_{25}NO_3S$

(2*R*,3*S*)-2-(4-Isopropylbenzoyl)-3-phenyl-1-(*p*-tolylsulfonyl)aziridine

Ee = 85%

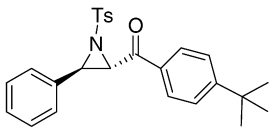
$[\alpha]_D^{20} = -7.3$ (*c* 1.00, $CHCl_3$)

Source of chirality: asymmetric synthesis

Absolute configuration: (2*R*,3*S*)

Linge Ma, Peng Jiao, Qihan Zhang, Da-Ming Du and Jiaxi Xu*

Tetrahedron: Asymmetry *18 (2007) 878*



$C_{26}H_{27}NO_3S$

(2*S*,3*R*)-2-(4-*tert*-Butylbenzoyl)-3-phenyl-1-(*p*-tolylsulfonyl)aziridine

Ee = 70%

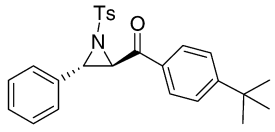
$[\alpha]_D^{20} = +5.1$ (*c* 0.81, $CHCl_3$)

Source of chirality: asymmetric synthesis

Absolute configuration: (2*S*,3*R*)

Linge Ma, Peng Jiao, Qihan Zhang, Da-Ming Du and Jiaxi Xu*

Tetrahedron: Asymmetry *18 (2007) 878*



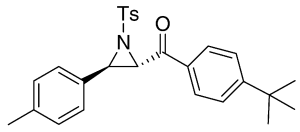
$C_{26}H_{27}NO_3S$

(2*R*,3*S*)-2-(4-*tert*-Butylbenzoyl)-3-phenyl-1-(*p*-tolylsulfonyl)aziridine

Ee = 98%
$[\alpha]_D^{20} = -6.1$ (*c* 0.66, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*R*,3*S*)

Linge Ma, Peng Jiao, Qihan Zhang, Da-Ming Du and Jiaxi Xu*

Tetrahedron: Asymmetry *18 (2007) 878*



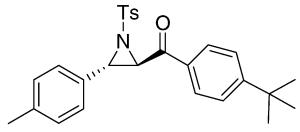
$C_{27}H_{29}NO_3S$

(2*S*,3*R*)-2-(4-*tert*-Butylbenzoyl)-3-tolyl-1-(*p*-tolylsulfonyl)aziridine

Ee = 71%
$[\alpha]_D^{20} = -3.4$ (*c* 0.76, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*,3*R*)

Linge Ma, Peng Jiao, Qihan Zhang, Da-Ming Du and Jiaxi Xu*

Tetrahedron: Asymmetry *18 (2007) 878*



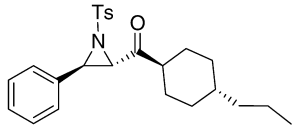
$C_{27}H_{29}NO_3S$

(2*R*,3*S*)-2-(4-*tert*-Butylbenzoyl)-3-tolyl-1-(*p*-tolylsulfonyl)aziridine

Ee = 89%
$[\alpha]_D^{20} = +4.6$ (*c* 0.65, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*R*,3*S*)

Linge Ma, Peng Jiao, Qihan Zhang, Da-Ming Du and Jiaxi Xu*

Tetrahedron: Asymmetry *18 (2007) 878*



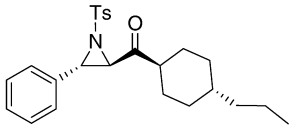
$C_{25}H_{31}NO_3S$

(2*S*,3*R*)-3-Phenyl-2-(*trans*-4-propylcyclohexylformyl)-1-(*p*-tolylsulfonyl)aziridine

Ee = 48%
$[\alpha]_D^{20} = +5.05$ (*c* 1.00, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*S*,3*R*)

Linge Ma, Peng Jiao, Qihan Zhang, Da-Ming Du and Jiaxi Xu*

Tetrahedron: Asymmetry *18 (2007) 878*



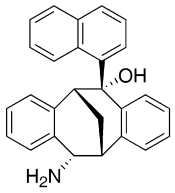
$C_{25}H_{31}NO_3S$

(2*R*,3*S*)-3-Phenyl-2-(*trans*-4-propylcyclohexylformyl)-1-(*p*-tolylsulfonyl)aziridine

Ee = 30%
$[\alpha]_D^{20} = -3.0$ (*c* 1.00, $CHCl_3$)
Source of chirality: asymmetric synthesis
Absolute configuration: (2*R*,3*S*)

Annika Friberg, Cecilia Olsson, Fredrik Ek, Ulf Berg and Torbjörn Frejd*

Tetrahedron: Asymmetry *18 (2007) 885*



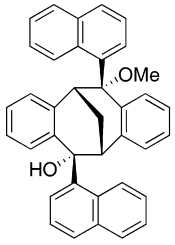
$C_{27}H_{23}NO$

(+)-(1*R*,4*S*,5*R*,8*S*)-4-Amino-8-(1-naphthyl)-2,3:6,7-dibenzobicyclo[3.3.1]nona-2,6-diene-8-ol

Ee >99%
$[\alpha]_D^{20} = +8.9$ (*c* 0.9, $CHCl_3$)
Absolute configuration: (1*R*,4*S*,5*R*,8*S*)

Annika Friberg, Cecilia Olsson, Fredrik Ek, Ulf Berg and Torbjörn Frejd*

Tetrahedron: Asymmetry *18 (2007) 885*



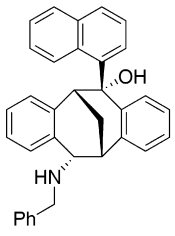
$C_{38}H_{30}O_2$

(−)-(1*R*,4*S*,5*R*,8*S*)-4,8-Di(1-naphthyl)-8-methoxy-2,3:6,7-dibenzobicyclo[3.3.1]nona-2,6-diene-4-ol

Ee >99%
$[\alpha]_D^{20} = -125$ (*c* 0.27, $CHCl_3$)
Absolute configuration: (1*R*,4*S*,5*R*,8*S*)

Annika Friberg, Cecilia Olsson, Fredrik Ek, Ulf Berg and Torbjörn Frejd*

Tetrahedron: Asymmetry *18 (2007) 885*



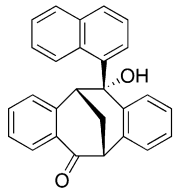
$C_{34}H_{29}NO$

(+)-(1*R*,4*S*,5*R*,8*S*)-4-Benzylamino-8-(1-naphthyl)-2,3:6,7-dibenzobicyclo[3.3.1]nona-2,6-diene-8-ol

Ee >99%
$[\alpha]_D^{20} = +66$ (*c* 0.79, $CHCl_3$)
Absolute configuration: (1*R*,4*S*,5*R*,8*S*)

Annika Friberg, Cecilia Olsson, Fredrik Ek, Ulf Berg and Torbjörn Frejd*

Tetrahedron: Asymmetry *18 (2007) 885*



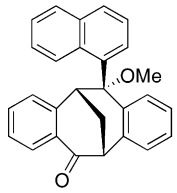
Ee >99%
$[\alpha]_D^{20} = +208$ (*c* 1.19, $CHCl_3$)
Absolute configuration: (1*R*,5*R*,8*S*)

$C_{27}H_{20}O_2$

(+)-(1*R*,5*R*,8*S*)-8-Hydroxy-8-(1-naphthyl)-2,3:6,7-dibenzobicyclo[3.3.1]nona-2,6-diene-4-one

Annika Friberg, Cecilia Olsson, Fredrik Ek, Ulf Berg and Torbjörn Frejd*

Tetrahedron: Asymmetry *18 (2007) 885*



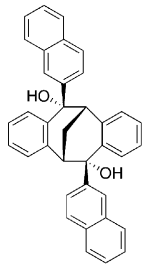
Ee >99%
$[\alpha]_D^{20} = +126$ (*c* 1.03, $CHCl_3$)
Absolute configuration: (1*R*,5*R*,8*S*)

$C_{28}H_{22}O_2$

(+)-(1*R*,5*R*,8*S*)-8-Methoxy-8-(1-naphthyl)-2,3:6,7-dibenzobicyclo[3.3.1]nona-2,6-diene-4-one

Annika Friberg, Cecilia Olsson, Fredrik Ek, Ulf Berg and Torbjörn Frejd*

Tetrahedron: Asymmetry *18 (2007) 885*



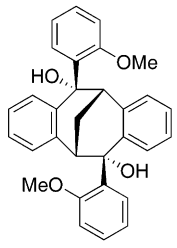
Ee >99%
$[\alpha]_D^{20} = -228$ (*c* 1.07, $CHCl_3$)
Absolute configuration: (1*S*,4*S*,5*S*,8*S*)

$C_{37}H_{28}O_2$

(−)-(1*S*,4*S*,5*S*,8*S*)-4,8-Di(2-naphthyl)-2,3:6,7dibenzobicyclo[3.3.1]nona-2,6-diene-4,8-diol

Annika Friberg, Cecilia Olsson, Fredrik Ek, Ulf Berg and Torbjörn Frejd*

Tetrahedron: Asymmetry *18 (2007) 885*



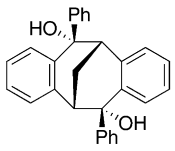
Ee >99%
$[\alpha]_D^{20} = -84$ (*c* 0.96, $CHCl_3$)
Absolute configuration: (1*S*,4*R*,5*S*,8*R*)

$C_{31}H_{28}O_4$

(−)-(1*S*,4*R*,5*S*,8*R*)-4,8-Di(2-methoxyphenyl)-2,3:6,7-dibenzobicyclo[3.3.1]nona-2,6-diene-4,8-diol

Annika Friberg, Cecilia Olsson, Fredrik Ek, Ulf Berg and Torbjörn Frejd*

Tetrahedron: Asymmetry *18 (2007) 885*



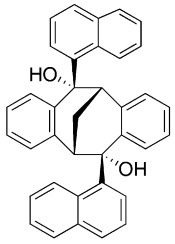
Ee >99%
$[\alpha]_D^{20} = -75$ (*c* 1.3, $CHCl_3$)
Absolute configuration: (1*S*,4*S*,5*S*,8*S*)

$C_{29}H_{24}O_2$

(−)-(1*S*,4*S*,5*S*,8*S*)-4,8-Diphenyl-2,3:6,7-dibenzobicyclo[3.3.1]nona-2,6-diene-4,8-diol

Annika Friberg, Cecilia Olsson, Fredrik Ek, Ulf Berg and Torbjörn Frejd*

Tetrahedron: Asymmetry *18 (2007) 885*



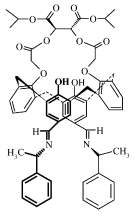
Ee >99%
$[\alpha]_D^{20} = -101$ (*c* 1.00, $CHCl_3$)
Absolute configuration: (1*S*,4*R*,5*S*,8*R*)

$C_{37}H_{28}O_2$

(−)-(1*S*,4*R*,5*S*,8*R*)-4,8-Di(1-naphthyl)-2,3:6,7-dibenzobicyclo[3.3.1]nona-2,6-diene-4,8-diol

Mustafa Durmaz, Sabri Alpaydin, Abdulkadir Sirit and Mustafa Yilmaz*

Tetrahedron: Asymmetry *18 (2007) 900*



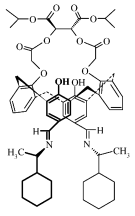
$[\alpha]_D^{20} = +14.1$ (*c* 0.4 $CHCl_3$)
Source of chirality: (*S*)-(−)-1-phenylethylamine, L-(+)-tartaric acid diisopropyl ester
Absolute configuration: (*S*,*S*,*R*,*R*)

$C_{60}H_{60}O_{12}N_2$

(40*R*,50*R*)-(5*S*,17*S*)-Di(phenylethylimido)-25,27-dihydroxy-26,28-(40,50-di-1-methylethoxy-carbonyl-30,60-dioxa-20,70-dioxooctylene)-dioxycalix[4]arene

Mustafa Durmaz, Sabri Alpaydin, Abdulkadir Sirit and Mustafa Yilmaz*

Tetrahedron: Asymmetry *18 (2007) 900*



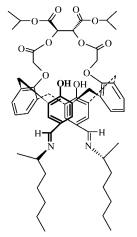
$[\alpha]_D^{20} = -5.0$ (*c* 0.4 $CHCl_3$)
Source of chirality: (*R*)-(−)-1-cyclohexylethylamine, L-(+)-tartaric acid diisopropyl ester
Absolute configuration: (*R*,*R*,*R*,*R*)

$C_{60}H_{72}O_{12}N_2$

(40*R*,50*R*)-(5*R*,17*R*)-Di(cyclohexylethylimido)-25,27-dihydroxy-26,28-(40,50-di-1-methylethoxy-carbonyl-30,60-dioxa-20,70-dioxooctylene)-dioxycalix[4]arene

Mustafa Durmaz, Sabri Alpaydin, Abdulkadir Sirit and Mustafa Yilmaz*

Tetrahedron: Asymmetry *18 (2007) 900*



$C_{58}H_{72}O_{12}N_2$

(40*R*,50*R*)-(5*R*,17*R*)-Di(2-heptylimido)-25,27-dihydroxy-26,28-(40,50-di-1-methylethoxy-carbonyl-30,60-dioxa-20,70-dioxooctyl-ene)-dioxycalix[4]arene

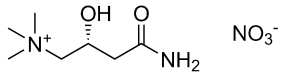
$[\alpha]_D^{20} = -30.6$ (*c* 0.4 $CHCl_3$)

Source of chirality: (*R*)-(−)-2-heptylamine, L-(+)-tartaric acid diisopropyl ester

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

Marco Pallavicini,* Cristiano Bolchi, Laura Fumagalli, Oreste Piccolo and Ermanno Valoti

Tetrahedron: Asymmetry *18 (2007) 906*



$C_7H_{17}N_3O_5$

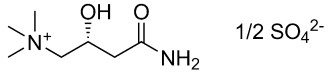
(*R*)-Carnitinamide nitrate

$[\alpha]_D^{25} = -23.4$ (*c* 1, MeOH)

Source of chirality: enantiomerically pure (*R*)-carnitinamide chloride ($[\alpha]_D^{25} = -24.5$ (*c* 1, MeOH))

Marco Pallavicini,* Cristiano Bolchi, Laura Fumagalli, Oreste Piccolo and Ermanno Valoti

Tetrahedron: Asymmetry *18 (2007) 906*



$C_7H_{17}N_2O_4S_{0.5}$

(*R*)-Carnitinamide sulfate

$[\alpha]_D^{25} = -17.9$ (*c* 1, MeOH)

Source of chirality: enantiomerically pure (*R*)-carnitinamide chloride ($[\alpha]_D^{25} = -24.5$ (*c* 1, MeOH))