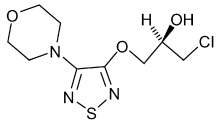
Zemfira A. Bredikhina, Robert R. Fayzullin, Alexey V. Kurenkov, Alexander V. Pashagin, Alexander A. Bredikhin *

Tetrahedron: Asymmetry *26 (2015) 797*



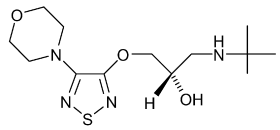
$C_9H_{14}ClN_3O_3S$

(2*R*)-1-Chloro-3-(4-morpholin-4-yl-[1,2,5]thiadiazol-3-yloxy)-propan-2-ol

Ee = 96% (ee from HPLC)
$[\alpha]_D^{25}$ = +6.7 (*c* 0.9, $CHCl_3$)
Initial source of chirality: (*R*)-Epichlorohydrin
Absolute configuration: (*R*)

Zemfira A. Bredikhina, Robert R. Fayzullin, Alexey V. Kurenkov, Alexander V. Pashagin, Alexander A. Bredikhin *

Tetrahedron: Asymmetry *26 (2015) 797*



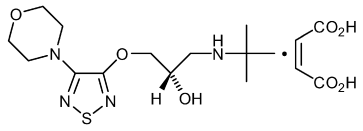
$C_{13}H_{24}N_4O_3S$

(*S*)-1-(*tert*-Butylamino)-3-[(4-morpholino-1,2,5-thiadiazol-3-yl)oxy]-2-propanol

Ee = 99% (ee from HPLC)
$[\alpha]_D^{25}$ = −4.7 (*c* 1, $CHCl_3$); $[\alpha]_{436}^{25}$ = −6.4 (*c* 1, $CHCl_3$)
Initial source of chirality: 4-{4-[(2*S*)-Oxiran-2-yl-methoxy]-1,2,5-thiadiazol-3-yl}morpholine
Absolute configuration: (*S*)

Zemfira A. Bredikhina, Robert R. Fayzullin, Alexey V. Kurenkov, Alexander V. Pashagin, Alexander A. Bredikhin *

Tetrahedron: Asymmetry *26 (2015) 797*



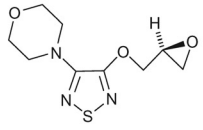
$C_{17}H_{28}N_4O_7S$

(*S*)-1-(*tert*-Butylamino)-3-[(4-morpholino-1,2,5-thiadiazol-3-yl)oxy]-2-propanol hemimaleate salt

Ee = 99% (ee from HPLC)
$[\alpha]_D^{25}$ = −7.0 (*c* 4, 1 M aq HCl); $[\alpha]_{436}^{25}$ = −12.7 (*c* 4, 1 M aq HCl)
Initial source of chirality: 4-{4-[(2*S*)-Oxiran-2-yl-methoxy]-1,2,5-thiadiazol-3-yl}morpholine
Absolute configuration: (*S*)

Zemfira A. Bredikhina, Robert R. Fayzullin, Alexey V. Kurenkov, Alexander V. Pashagin, Alexander A. Bredikhin *

Tetrahedron: Asymmetry *26 (2015) 797*



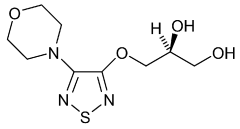
$C_9H_{13}N_3O_3S$

4-{4-[(2*S*)-Oxiran-2-ylmethoxy]-1,2,5-thiadiazol-3-yl}morpholine

Ee = 99% (ee from HPLC)
$[\alpha]_D^{25}$ = +28.9 (*c* 1.0, $CHCl_3$)
Initial source of chirality: (*S*)-3-(4-Morpholin-4-yl-1,2,5-thiadiazol-3-yloxy)-propane-1,2-diol or (*R*)-epichlorohydrin
Absolute configuration: (*S*)

Zemfira A. Bredikhina, Robert R. Fayzullin, Alexey V. Kurenkov, Alexander V. Pashagin, Alexander A. Bredikhin *

Tetrahedron: Asymmetry *26 (2015) 797*



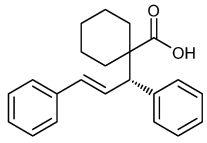
$C_9H_{15}N_3O_4S$

(*S*)-3-(4-Morpholin-4-yl-[1,2,5]thiadiazol-3-yloxy)-propane-1,2-diol

Ee = 99.8% (ee from HPLC)
$[\alpha]_D^{20}$ = +17.5 (*c* 1, EtOH)
Initial source of chirality: (*S*)-3-Chloropropane-1,2-diol
Absolute configuration: (*S*)

Isabel Alvarado-Beltrán *, Eddy Maerten, R. Alfredo Toscano, José G. López-Cortés, Antoine Baceiredo, Cecilio Álvarez-Toledano *

Tetrahedron: Asymmetry *26 (2015) 802*



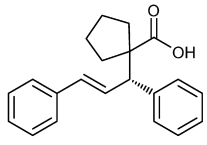
$C_{22}H_{25}O_2$

(*E*)-1-(1,3-Diphenylallyl)cyclohexanecarboxylic acid

$[\alpha]_D^{25}$ = +32.7 (*c* 0.00661, $CHCl_3$)
Source of chirality: (*R*)-BINAP
Absolute configuration: (3*S*)

Isabel Alvarado-Beltrán *, Eddy Maerten, R. Alfredo Toscano, José G. López-Cortés, Antoine Baceiredo, Cecilio Álvarez-Toledano *

Tetrahedron: Asymmetry *26 (2015) 802*



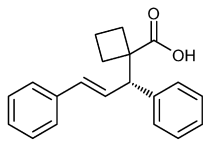
$C_{20}H_{20}O_2$

(*E*)-1-(1,3-Diphenylallyl)cyclopentanecarboxylic acid

$[\alpha]_D^{25}$ = +12.0 (*c* 0.0102, $CHCl_3$)
Source of chirality: (*R*)-BINAP
Absolute configuration: (3*S*)

Isabel Alvarado-Beltrán *, Eddy Maerten, R. Alfredo Toscano, José G. López-Cortés, Antoine Baceiredo, Cecilio Álvarez-Toledano *

Tetrahedron: Asymmetry *26 (2015) 802*



$C_{20}H_{20}O_2$

(*E*)-1-(1,3-Diphenylallyl)cyclobutanecarboxylic acid

$[\alpha]_D^{25}$ = −1.8 (*c* 0.0112, $CHCl_3$)
Source of chirality: (*R*)-BINAP
Absolute configuration: (3*S*)