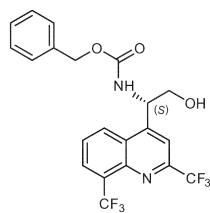


Stereochemistry abstracts

Guillaume Bentzinger, Wesley De Souza, Catherine Mullié, Patrice Agnamey, Alexandra Dassonville-Klimpt, Pascal Sonnet *

Tetrahedron: Asymmetry 27 (2016) 1



$C_{21}H_{16}F_6N_2O_3$

(*S*)-Benzyl (1-(2,8-bis(trifluoromethyl)quinolin-4-yl)-2-hydroxyethyl)carbamate

80% ee

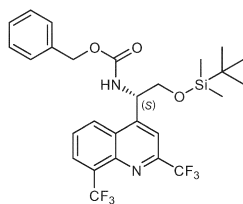
$[\alpha]_D^{20} = -28.9$ (c 0.1, MeOH)

Source of chirality: Asymmetric Sharpless aminohydroxylation

Absolute configuration: (*S*)

Guillaume Bentzinger, Wesley De Souza, Catherine Mullié, Patrice Agnamey, Alexandra Dassonville-Klimpt, Pascal Sonnet *

Tetrahedron: Asymmetry 27 (2016) 1



$C_{27}H_{30}F_6N_2O_3Si$

(*S*)-Benzyl(1-(2,8-bis(trifluoromethyl)quinolin-4-yl)-2-((*tert*-butyldimethylsilyl)oxy)ethyl)carbamate

76% ee

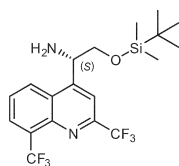
$[\alpha]_D^{20} = -7.8$ (c 0.1, MeOH)

Source of chirality: (*S*)-Benzyl (1-(2,8-bis(trifluoromethyl)quinolin-4-yl)-2-hydroxyethyl)carbamate

Absolute configuration: (*S*)

Guillaume Bentzinger, Wesley De Souza, Catherine Mullié, Patrice Agnamey, Alexandra Dassonville-Klimpt, Pascal Sonnet *

Tetrahedron: Asymmetry 27 (2016) 1



$C_{19}H_{24}F_6N_2OSi$

(*S*)-1-(2,8-Bis(trifluoromethyl)quinolin-4-yl)-2-((*tert*-butyldimethylsilyl)oxy)ethan-amine

74% ee

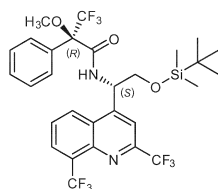
$[\alpha]_D^{20} = +37.8$ (c 0.1, MeOH)

Source of chirality: (*S*)-Benzyl(1-(2,8-bis(trifluoromethyl)quinolin-4-yl)-2-((*tert*-butyldimethylsilyl)oxy)ethyl)carbamate

Absolute configuration: (*S*)

Guillaume Bentzinger, Wesley De Souza, Catherine Mullié, Patrice Agnamey, Alexandra Dassonville-Klimpt, Pascal Sonnet *

Tetrahedron: Asymmetry 27 (2016) 1



$C_{29}H_{31}F_9N_2O_3Si$

(*R*)-*N*-((*S*)-1-(2,8-Bis(trifluoromethyl)quinolin-4-yl)-2-((*tert*-butyldimethylsilyl)oxy)ethyl)-3,3,3-trifluoro-2-methoxy-2-phenylpropanamide

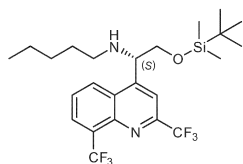
$[\alpha]_D^{20} = +39.9$ (c 0.1, MeOH)

Source of chirality: (*S*)-1-(2,8-Bis(trifluoromethyl)quinolin-4-yl)-2-((*tert*-butyldimethylsilyl)oxy)ethan-amine

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

Guillaume Bentzinger, Wesley De Souza, Catherine Mullié, Patrice Agnamey, Alexandra Dassonville-Klimpt, Pascal Sonnet *

Tetrahedron: Asymmetry 27 (2016) 1



$C_{24}H_{34}F_6N_2OSi$

(S)-N-(1-(2,8-Bis(trifluoromethyl)quinolin-4-yl)-2-((*tert*-butyldimethylsilyl)oxy)ethyl)pentan-1-amine

78% ee

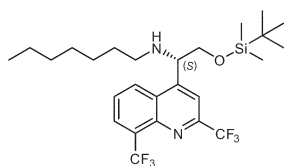
$[\alpha]_D^{20} = +30.7$ (c 0.1, MeOH)

Source of chirality: (S)-1-(2,8-Bis(trifluoromethyl)quinolin-4-yl)-2-((*tert*-butyldimethylsilyl)oxy)ethan-amine

Absolute configuration: (S)

Guillaume Bentzinger, Wesley De Souza, Catherine Mullié, Patrice Agnamey, Alexandra Dassonville-Klimpt, Pascal Sonnet *

Tetrahedron: Asymmetry 27 (2016) 1



$C_{26}H_{38}F_6N_2OSi$

(S)-N-(1-(2,8-Bis(trifluoromethyl)quinolin-4-yl)-2-((*tert*-butyldimethylsilyl)oxy)ethyl)heptan-1-amine

74% ee

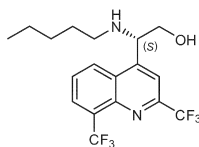
$[\alpha]_D^{20} = +18.0$ (c 0.1, MeOH)

Source of chirality: (S)-1-(2,8-Bis(trifluoromethyl)quinolin-4-yl)-2-((*tert*-butyldimethylsilyl)oxy)ethan-amine

Absolute configuration: (S)

Guillaume Bentzinger, Wesley De Souza, Catherine Mullié, Patrice Agnamey, Alexandra Dassonville-Klimpt, Pascal Sonnet *

Tetrahedron: Asymmetry 27 (2016) 1



$C_{18}H_{20}F_6N_2O$

(S)-2-(2,8-Bis(trifluoromethyl)quinolin-4-yl)-2-(pentylamino)ethanol

86% ee

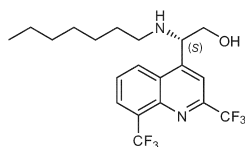
$[\alpha]_D^{20} = +22.0$ (c 0.1, MeOH)

Source of chirality: (S)-N-(1-(2,8-Bis(trifluoromethyl)quinolin-4-yl)-2-((*tert*-butyldimethylsilyl)oxy)ethyl)pentan-1-amine

Absolute configuration: (S)

Guillaume Bentzinger, Wesley De Souza, Catherine Mullié, Patrice Agnamey, Alexandra Dassonville-Klimpt, Pascal Sonnet *

Tetrahedron: Asymmetry 27 (2016) 1



$C_{20}H_{24}F_6N_2O$

(S)-2-(2,8-Bis(trifluoromethyl)quinolin-4-yl)-2-(heptylamino)ethanol

74% ee

$[\alpha]_D^{20} = +25.6$ (c 0.1, MeOH)

Source of chirality: (S)-N-(1-(2,8-Bis(trifluoromethyl)quinolin-4-yl)-2-((*tert*-butyldimethylsilyl)oxy)ethyl)pentan-1-amine

Absolute configuration: (S)

Download English Version:

<https://daneshyari.com/en/article/1345803>

Download Persian Version:

<https://daneshyari.com/article/1345803>

[Daneshyari.com](https://daneshyari.com)