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Chiral Building Blocks and Pharmaceutical Intermediates: Optically pure Amino Alcohols and Diamines

Modification of only one out of several identical functional groups in a molecule is a fundamental challenge to organic chemists, for example the regioselective modification of polyhydroxy compounds.

Along the same lines, orthogonal protection strategies enable attachment and cleavage of different protecting groups to multifunctional molecules, and it is a valuable tool for the synthesis of a wide range of hydroxy- and amino compounds.

The adequate arrangement of protecting groups attached to the diamines allow us to prepare valuable orthogonally protected cycloalkane-1,2-diamines and 1,2-amino-alcohols in enantiomerically pure form. The protecting groups bear easily removable substituents, which allows to differentiate both functional groups for the modular synthesis of a wide and novel range of derivatives.

Please, contact us to obtain an updated price list, availability and purchase terms.

Also, contact us for the custom synthesis of related products not found on the list.

We provide products on the following categories of compounds:

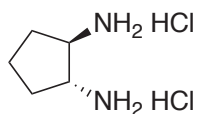
chiral building blocks

DA orthogonally protected enantiomerically pure chiral diamines

AA orthogonally protected enantiomerically pure chiral aminoalcohols

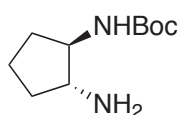
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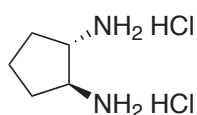
Ref DA-01

CAS n/a

*(1R,2R)-trans-1,2-Cyclopentanediamine, 2x HCl salt*C₅H₁₄Cl₂N₂ (MW) 173.08

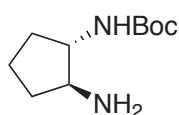
Ref DA-03

CAS n/a

*(1R,2R)-trans-N-Boc-1,2-Cyclopentanediamine*C₁₀H₂₀N₂O₂ (MW) 200.28

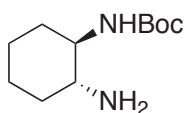
Ref DA-05

CAS [477873-22-6]

*(1S,2S)-trans-1,2-Cyclopentanediamine, 2x HCl salt*C₅H₁₄Cl₂N₂ (MW) 173.08

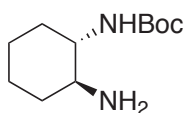
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CAS [586961-34-4]

*(1S,2S)-trans-N-Boc-1,2-Cyclopentanediamine*C₁₀H₂₀N₂O₂ (MW) 200.28

Ref DA-09

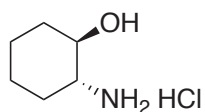
CAS [146504-07-6]

*(1R,2R)-trans-N-Boc-1,2-Cyclohexanediamine*C₁₁H₂₂N₂O₂ (MW) 214.30

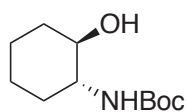
Ref DA-10

CAS [180683-64-1]

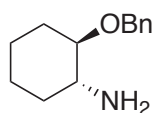
*(1S,2S)-trans-N-Boc-1,2-Cyclohexanediamine*C₁₁H₂₂N₂O₂ (MW) 214.30


Ref AA-01 **CAS** [13374-31-7]

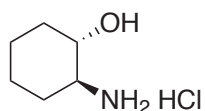
 (1*R*,2*R*)-*trans*-2-Aminocyclohexanol, HCl salt

 $C_6H_{14}ClNO$ **MW** 151.63

Ref AA-02 **CAS** [155975-19-2]

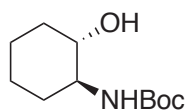
 (1*R*,2*R*)-*trans*-*N*-Boc-2-Aminocyclohexanol

 $C_{11}H_{21}NO_3$ **MW** 215.29

Ref AA-04 **CAS** [216394-06-8]

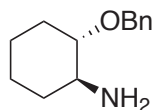
 (1*R*,2*R*)-*trans*-2-Benzyloxycyclohexylamine

 $C_{13}H_{19}NO$ **MW** 205.03

Ref AA-05 **CAS** [13374-30-6]

 (1*S*,2*S*)-*trans*-2-Aminocyclohexanol, HCl salt

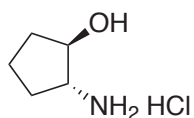
 $C_6H_{14}ClNO$ **MW** 151.63

Ref AA-06 **CAS** [145166-06-9]

 (1*S*,2*S*)-*trans*-*N*-Boc-2-Aminocyclohexanol

 $C_{11}H_{21}NO_3$ **MW** 215.29

Ref AA-08 **CAS** [216394-07-9]

 (1*S*,2*S*)-*trans*-2-Benzyloxycyclohexylamine

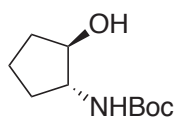
 $C_{13}H_{19}NO$ **MW** 205.03



Ref AA-09 CAS [68327-11-7]

(1*R*,2*R*)-*trans*-2-Aminocyclopentanol, HCl salt

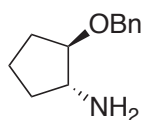
C₅H₁₂ClNO MW 137.61



Ref AA-10 CAS [454170-16-2]

(1*R*,2*R*)-*trans*-*N*-Boc-2-Aminocyclopentanol

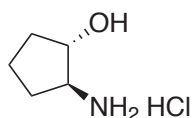
C₁₀H₁₉NO₃ MW 201.26



Ref AA-12 CAS [181657-56-7]

(1*R*,2*R*)-*trans*-2-Benzyloxycyclopentylamine

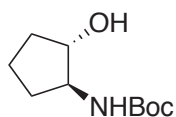
C₁₂H₁₇NO MW 191.27



Ref AA-13 CAS [68327-04-8]

(1*S*,2*S*)-*trans*-2-Aminocyclopentanol, HCl salt

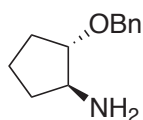
C₅H₁₂ClNO MW 137.61



Ref AA-14 CAS [145106-43-0]

(1*S*,2*S*)-*trans*-*N*-Boc-2-Aminocyclopentanol

C₁₀H₁₉NO₃ MW 201.26



Ref AA-16 CAS [181657-57-8]

(1*S*,2*S*)-*trans*-2-Benzyloxycyclopentylamine

C₁₂H₁₇NO MW 191.27



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