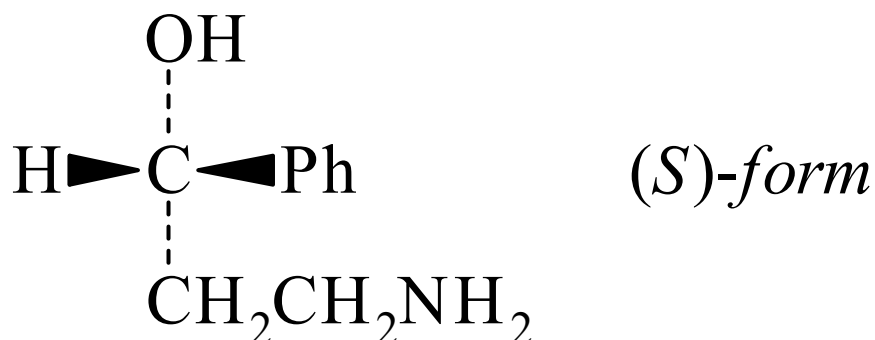




>>Entry Name: 3-Amino-1-phenyl-1-propanol

Synonym(s): α -(2-Aminoethyl)benzenemethanol, 9Cl. α -(2-Aminoethyl)benzyl alcohol, 8Cl. γ -Hydroxy- γ -phenylpropylamine



CAS Registry Number: 5053-63-4

Related CAS Registry Numbers(s): 42142-52-9

Molecular Formula: $C_9H_{13}NO$

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

>>Variant: (S)-form

CAS Registry Number: 130194-42-2

Molecular Formula: $C_9H_{13}NO$

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

Physical Description: Cryst. (toluene)

Melting Point: Mp 56°

Optical Rotation: $[\alpha]_D^{25} -43.6$ (c, 1 in MeOH)

>>Derivative: N-Me

CAS Registry Number: 114133-37-8

Molecular Formula: $C_{10}H_{15}NO$

Molecular Weight: 165.235

Accurate Mass: 165.115364

Percentage Composition: C 72.69%; H 9.15%; N 8.48%; O 9.68%

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{25} -38.2$ (c, 1.0 in $CHCl_3$)

>>Variant: ($\pm$)-form

CAS Registry Number: 59198-39-9

Molecular Formula: $C_9H_{13}NO$

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 63.5-64.5°

>>Derivative: N-Benzoyl

CAS Registry Number: 80213-06-5

Molecular Formula: $C_{16}H_{17}NO_2$

Molecular Weight: 255.316

Accurate Mass: 255.125929

Percentage Composition: C 75.27%; H 6.71%; N 5.49%; O 12.53%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 85-86°

>>Derivative: N-Me

CAS Registry Number: 153745-64-3

Physical Description: Oil

Boiling Point: Bp₂ 109°