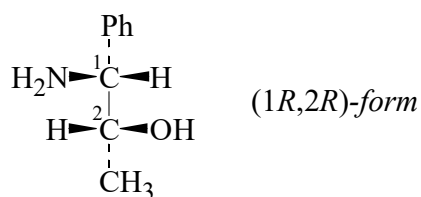




>>Entry Name: 1-Amino-1-phenyl-2-propanol

Synonym(s): β -Amino- α -methylbenzeneethanol, 9CI



CAS Registry Number: 52500-61-5

Related CAS Registry Numbers(s): 19901-87-2 19901-88-3 63204-69-3 63204-70-6

Molecular Formula: C₉H₁₃NO

Molecular Weight: 151.208

Accurate Mass: 151.099714

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

General Statement: One ref. (Noe *et al*, 1991) gives an incorr. assignment of stereoisomers

>>Variant: (1*R*,2*R*)-form

Synonym(s): (-)(HCl)-*erythro*-form

CAS Registry Number: 88082-69-3

Molecular Formula: C₉H₁₃NO

Molecular Weight: 151.208

Accurate Mass: 151.099714

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

Physical Description: Solid (EtOH/Et₂O) (as hydrochloride)

Optical Rotation: $[\alpha]_D -11.5$ (c, 0.99 in H₂O)

>>Variant: (1*R*,2*S*)-form

Synonym(s): (-)(HCl)-*threo*-form

CAS Registry Number: 88082-68-2

Molecular Formula: C₉H₁₃NO

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. (EtOH) (as hydrochloride)

Melting Point: Mp 181-181.5° (hydrochloride)

Optical Rotation: $[\alpha]_D^{25} -11$ (c, 0.9 in H₂O)

>>Variant: (1*S*,2*R*)-form

Synonym(s): (+)(HCl)-*threo*-form

CAS Registry Number: 88082-67-1

Extra CAS Registry Numbers(s): 133735-64-5

Molecular Formula: C₉H₁₃NO

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. (as hydrochloride)

Melting Point: Mp 179-180° (hydrochloride)

Optical Rotation: $[\alpha]_D^{25} +11$ (c, 1 in H₂O)

>>Variant: (1*S*,2*S*)-form

Synonym(s): (+)(HCl)-*erythro*-form

CAS Registry Number: 88082-70-6

Molecular Formula: C₉H₁₃NO

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. (as hydrochloride)

Melting Point: Mp 192-193° (hydrochloride)

Optical Rotation: $[\alpha]_D^{25} +26$ (c, 0.9 in H₂O)

References: