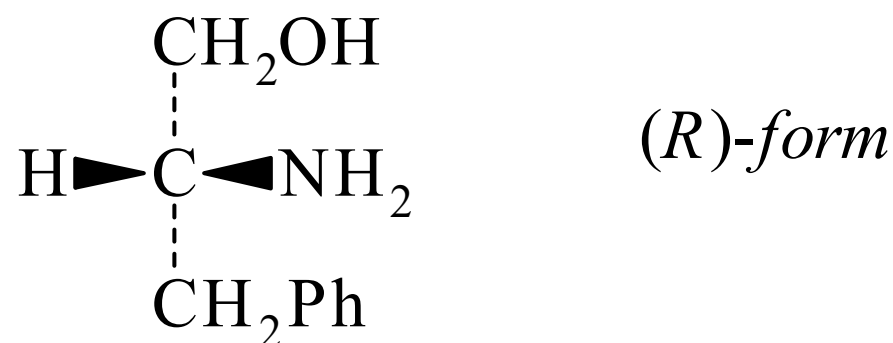




>>Entry Name: 2-Amino-3-phenyl-1-propanol

Synonym(s): β -Aminobenzenepropanol, 9Cl. Phenylalaninol



Related CAS Registry Numbers(s): 104654-48-0 161972-38-9

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%

Hazard & Toxicity: Dangerously exothermic syntheses reported

>>Variant: (*R*)-form

Synonym(s): D-form

CAS Registry Number: 5267-64-1

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%

Melting Point: Mp 96°

Optical Rotation: $[\alpha]_D^{21} +22.9$ (c, 3.36 in MeOH)

Aldrich: 28449-1

Fluka: 78115

Sigma: P9410

>>Derivative: *N*-tert-Butyloxycarbonyl

CAS Registry Number: 106454-69-7

Molecular Formula: $C_{14}H_{21}NO_3$

Molecular Weight: 251.325

Accurate Mass: 251.152144

Percentage Composition: C 66.91%; H 8.42%; N 5.57%; O 19.10%

Use/Importance: Chiral synthon

Physical Description: Cryst.

Melting Point: Mp 94-95°

Optical Rotation: $[\alpha]_D^{22} +22.1$ (c, 0.425 in $CHCl_3$)

Fluka: 15486

>>Derivative: *N*-Benzyloxycarbonyl

CAS Registry Number: 58917-85-4

Molecular Formula: $C_{17}H_{19}NO_3$

Molecular Weight: 285.342

Accurate Mass: 285.136494

Percentage Composition: C 71.56%; H 6.71%; N 4.91%; O 16.82%

Use/Importance: Chiral synthon

Physical Description: Cryst.

Melting Point: Mp 92-95°

Optical Rotation: $[\alpha]_D^{20} +43$ (c, 2 in MeOH)

Aldrich: 45993-3

Fluka: 97025