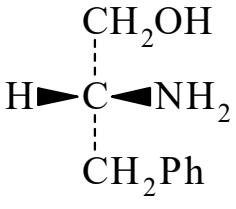
>>**Entry Name: 2-Amino-3-phenyl-1-propanol**
Synonym(s): β-Aminobenzenepropanol, 9CI. Phenylalaninol



(*R*)-*form*

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

>>**Derivative:** Me ether
Synonym(s): 1-Methoxy-3-phenyl-2-propylamine. α-(Methoxymethyl)benzeneethanamine, 9CI

CAS Registry Number: 59919-07-2
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%
Use/Importance: Enantioselective alkylating agent
Optical Rotation: $[\alpha]_D$ +14.3 (c, 5.7 in C_6H_6)