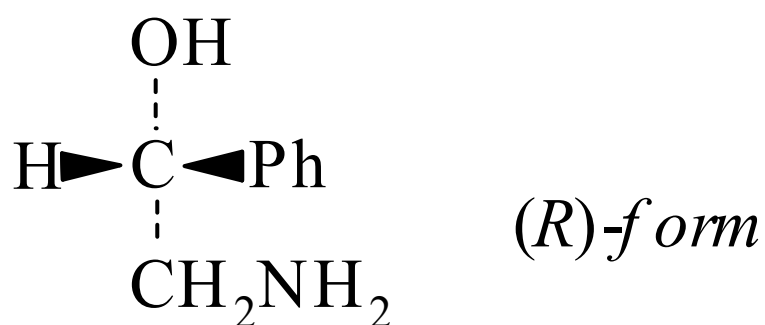




>>Entry Name: 2-Amino-1-phenylethanol

Synonym(s): α -Aminomethylbenzenemethanol, 9Cl. α -(Aminomethyl)benzyl alcohol, 8Cl. β -Amino- α -hydroxyethylbenzene. (Aminomethyl)phenylcarbinol. 2-Hydroxy-2-phenylethylamine. 1-Phenylethanolamine. **Resedinine**‡. Apophedrin. Norphedrin. Bisnorephedrine



CAS Registry Number: 7568-93-6

Related CAS Registry Numbers(s): 495-42-1 3490-79-7 6589-55-5 18867-43-1 68579-60-2 80997-83-7

Molecular Formula: C₈H₁₁NO

Molecular Weight: 137.181

Accurate Mass: 137.084064

Percentage Composition: C 70.04%; H 8.08%; N 10.21%; O 11.66%

Calculated Log P Data: Log P 0.27 (calc)

Hazard & Toxicity: LD₅₀ (mus, ipr) 250 mg/kg

Aldrich: A7240-5

Fluka: 9190

Sigma: H1754

>>Variant: (R)-form

CAS Registry Number: 2549-14-6

Molecular Formula: C₈H₁₁NO

Molecular Weight: 137.181

Accurate Mass: 137.084064

Percentage Composition: C 70.04%; H 8.08%; N 10.21%; O 11.66%

Melting Point: Mp 54-58°

Optical Rotation: [α]_D²⁰ -42.2 (c, 1 in EtOH)

>>Derivative: O-Benzoyl

CAS Registry Number: 111025-00-4

Molecular Formula: C₁₅H₁₅NO₂

Molecular Weight: 241.289

Accurate Mass: 241.110279

Percentage Composition: C 74.67%; H 6.27%; N 5.80%; O 13.26%

Biological Source: Isol. from *Oxytropis pseudoglandulosa*

Physical Description: Needles (pentane)

Melting Point: Mp 38-40°

Optical Rotation: [α]_D²¹ +181.9 (c, 2.275 in MeOH)

>>Derivative: N-Benzoyl

Synonym(s): N-Benzoyl-2-hydroxy-2-phenylethylamine. 2-(Benzoylamino)-1-phenylethanol

CAS Registry Number: 111059-46-2

Molecular Formula: C₁₅H₁₅NO₂

Molecular Weight: 241.289

Accurate Mass: 241.110279

Percentage Composition: C 74.67%; H 6.27%; N 5.80%; O 13.26%

Biological Source: Constit. of *Oxytropis pseudoglandulosa* (Leguminosae)

Physical Description: Plates (MeOH/Et₂O)

Melting Point: Mp 151-152° (143-144°)

Optical Rotation: [α]_D²⁴ -16.2 (c, 0.81 in MeOH). [α]_D -21 (c, 0.7 in MeOH)