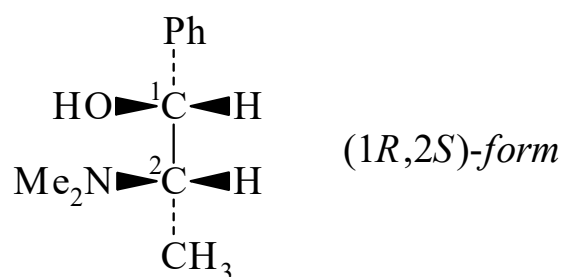




>>Entry Name: 2-Dimethylamino-1-phenyl-1-propanol

Synonym(s): α -[1-(Dimethylamino)ethyl]benzenemethanol, 9CI



CAS Registry Number: 17605-71-9

Related CAS Registry Numbers(s): 1201-56-5 14222-20-9 21067-55-0 39263-91-7 42151-56-4 62560-55-8

Type of Compound Code(s): XA2900

Molecular Formula: C₁₁H₁₇NO

Molecular Weight: 179.261

Accurate Mass: 179.131014

Percentage Composition: C 73.70%; H 9.56%; N 7.81%; O 8.93%

General Statement: See also references under 2-(Methylamino)-1-phenyl-1-propanol [BCJ45-G](#)

Calculated Log P Data: Log P 1.3 (calc)

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

Synonym(s): (–)-*erythro*-form. *N*-Methylephedrine. Methylephedrine, BAN. Metheph. Methy-F

CAS Registry Number: 552-79-4

Type of Compound Code(s): VX2000

Molecular Formula: C₁₁H₁₇NO

Molecular Weight: 179.261

Accurate Mass: 179.131014

Percentage Composition: C 73.70%; H 9.56%; N 7.81%; O 8.93%

Biological Source: Alkaloid from *Ephedra sinica* and *Ephedra vulgaris* (Ephedraceae)

Use/Importance: Analeptic

Physical Description: Needles (MeOH)

Melting Point: Mp 87-88°

Optical Rotation: $[\alpha]_D -29.2$ (MeOH)

Aldrich: 23521-0

Fluka: 66893

Sigma: M0891

>>Derivative: Hydrochloride

Physical Description: Tablets (EtOH)

Melting Point: Mp 188-189°

Optical Rotation: $[\alpha]_D -29.8$ (H₂O)

Solubility: Sol. H₂O, EtOH; spar. sol. Me₂CO

>>Derivative: Methiodide

Physical Description: Tablets (EtOH)

Melting Point: Mp 212-213°

Optical Rotation: $[\alpha]_D -21.8$

>>Derivative: Picrate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 144°