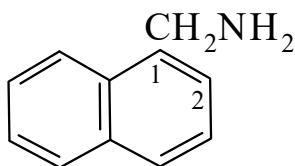




>>Entry Name: 1-Naphthalenylmethylamine

Synonym(s): 1-Naphthalenemethanamine, 9CI. 1-(Aminomethyl)naphthalene



CAS Registry Number: 118-31-0

Related CAS Registry Numbers(s): 17018-72-3

Molecular Formula: C₁₁H₁₁N

Molecular Weight: 157.215

Accurate Mass: 157.089149

Percentage Composition: C 84.04%; H 7.05%; N 8.91%

Physical Description: Liq.

Boiling Point: Bp 290-293°. Bp_{0.3} 135°

pKa Value: pK_a 7.75 (25°, 80% methoxyethanol aq.)

Refractive Index: n_D²⁰ 1.6429

Aldrich: 12703-5

Fluka: 71020

>>Derivative: Hydrochloride

CAS Registry Number: 39110-74-2

Melting Point: Mp 262-264°

>>Derivative: *N*-Ac

CAS Registry Number: 19351-91-8

Molecular Formula: C₁₃H₁₃NO

Molecular Weight: 199.252

Accurate Mass: 199.099714

Percentage Composition: C 78.36%; H 6.58%; N 7.03%; O 8.03%

Physical Description: Needles (petrol)

Melting Point: Mp 134°

>>Derivative: *N*-Me

CAS Registry Number: 14489-75-9

Use/Importance: Fluorescent reagent for hplc analysis of isocyanates

Physical Description: Liq.

Boiling Point: Bp_{0.3} 90°. Bp_{0.02} 71-81°

>>Derivative: *N*-Me, hydrochloride

CAS Registry Number: 65473-13-4

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 189.5-190°

Aldrich: 26231-5

>>Derivative: *N*-Benzyl

Synonym(s): *N*-Benzyl-1-naphthalenemethylamine, 8CI

CAS Registry Number: 14393-12-5

Molecular Formula: C₁₈H₁₇N

Molecular Weight: 247.339

Accurate Mass: 247.136099

Percentage Composition: C 87.41%; H 6.93%; N 5.66%

Use/Importance: Used for gravimetric detn. of NO₃⁽⁻⁾

Melting Point: Mp 167° (as hydrochloride)

References: