



>>Entry Name: 1-(2-Naphthalenyl)ethylamine

Synonym(s): α -Methyl-2-naphthalenemethanamine, 9Cl. 2- α -Aminoethylnaphthalene. 1-Methyl- β -naphthylmethylaniline

CAS Registry Number: 1201-74-7

Molecular Formula: C₁₂H₁₃N

Molecular Weight: 171.241

Accurate Mass: 171.104799

Percentage Composition: C 84.17%; H 7.65%; N 8.18%

>>Variant: (R)-form

CAS Registry Number: 3906-16-9

Molecular Formula: C₁₂H₁₃N

Molecular Weight: 171.241

Accurate Mass: 171.104799

Percentage Composition: C 84.17%; H 7.65%; N 8.18%

Melting Point: Mp 53°

Optical Rotation: $[\alpha]_D^{19} +19.4$ (EtOH)

Fluka: 70940

>>Derivative: Oxalate

Melting Point: Mp 240°

>>Variant: (S)-form

CAS Registry Number: 3082-62-0

Molecular Formula: C₁₂H₁₃N

Molecular Weight: 171.241

Accurate Mass: 171.104799

Percentage Composition: C 84.17%; H 7.65%; N 8.18%

Melting Point: Mp 53°

Optical Rotation: $[\alpha]_D^{20} -18.9$ (EtOH)

Fluka: 70942

>>Derivative: Hydrochloride

Melting Point: Mp 219°

>>Variant: (±)-form

Molecular Formula: C₁₂H₁₃N

Molecular Weight: 171.241

Accurate Mass: 171.104799

Percentage Composition: C 84.17%; H 7.65%; N 8.18%

Melting Point: Mp 23°

Boiling Point: Bp_{6.5} 142-143° (lit. gives a pressure range)

Density: d²⁰ 1.047

>>Derivative: Oxalate

Melting Point: Mp 232-233°

References:

Samuelsson, E., *CA*, 1924, **18**, 1833, (*synth*)

Blicke, F.F. *et al.*, *J.A.C.S.*, 1939, **61**, 1780, (*synth*)

Okamoto, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1968, **41**, 1426, (*abs config*)

Murano, A. *et al.*, *Agric. Biol. Chem.*, 1973, **76**, 437, (*resoln*)