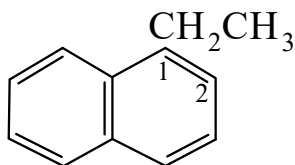




>>Entry Name: 1-Ethynaphthalene, 9CI

Synonym(s): α -Ethynaphthalene. 1-Naphthylethane



CAS Registry Number: 1127-76-0

Extra CAS Registry Numbers(s): 27138-19-8

Molecular Formula: $C_{12}H_{12}$

Molecular Weight: 156.227

Accurate Mass: 156.0939

Percentage Composition: C 92.26%; H 7.74%

Physical Description: Liq.

Melting Point: Mp -13.88°

Boiling Point: Bp 258.67° . Bp₁₈ 136°

Density: d_4^{20} 1.022

Refractive Index: n_D^{20} 1.6062

Hazard & Toxicity: Autoignition temp. 480°

Aldrich: 25090-2

Fluka: 4510

Rare Chemicals Library: S36893-8

Sigma: E8383

>>Derivative: Picrate

Melting Point: Mp 99°

>>Derivative: Styphnate

Melting Point: Mp $111-113^{\circ}$

References:

Aldrich Library of ^{13}C and 1H FT NMR Spectra, 1992, **2**, 41C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 956D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 878B, (*ir*)

Gilman, H. *et al.*, *J.A.C.S.*, 1922, **44**, 2621

Fröschl, N. *et al.*, *Monatsh. Chem.*, 1932, **59**, 275

Morrell, S.H. *et al.*, *J. Inst. Pet.*, 1948, **34**, 677; *CA*, **43**, 2608

Adv. Chem. Ser., 1955, **15**, 206, (*props*)

Sergievskaia, S.I. *et al.*, *Zh. Obshch. Khim.*, 1956, **26**, 3479

Adcock, W. *et al.*, *Org. Magn. Reson.*, 1977, **10**, 47, (*cmr*)