



>>Entry Name: 1,2-Diethylhydrazine, 9CI

Synonym(s): Hydrazoethane

CAS Registry Number: 1615-80-1

EtNHNHEt

Molecular Formula: C₄H₁₂N₂

Molecular Weight: 88.152

Accurate Mass: 88.100048

Percentage Composition: C 54.50%; H 13.72%; N 31.78%

Boiling Point: Bp 85-86°

pKa Value: pK_a 7.78 (30°, as hydrochloride)

Hazard & Toxicity: Possible human carcinogen. Exp. carcinogen and teratogen

Rare Chemicals Library: S81456-3

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 7699-31-2

Physical Description: Leaflets

Melting Point: Mp 168-169°

Aldrich: 22917-2

>>Derivative: Picrolonate

Melting Point: Mp 248-250°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 473B, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 280A, (ir)

Ried, W. *et al.*, *Annalen*, 1957, **611**, 71, (synth)

Ohme, R. *et al.*, *Annalen*, 1968, **713**, 74, (synth)

IARC Monog., 1974, **4**, 153; *Suppl.* 7, 62, (rev, tox)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, DJL400; DJL600