



>>Entry Name: 1,9-Nonanediamine, 9CI

Synonym(s): 1,9-Diaminononane

CAS Registry Number: 646-24-2

$\text{H}_2\text{NCH}_2(\text{CH}_2)_7\text{CH}_2\text{NH}_2$

Molecular Formula: $\text{C}_9\text{H}_{22}\text{N}_2$

Molecular Weight: 158.286

Accurate Mass: 158.178298

Percentage Composition: C 68.29%; H 14.01%; N 17.70%

Use/Importance: Comonomer for polyamides and other polymers

Physical Description: Hygroscopic cryst.

Melting Point: Mp 37-38°

Boiling Point: Bp₇₅₆ 258-259°

Aldrich: 18712-7

Fluka: 33190

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 16822-47-2

Melting Point: Mp 305-306°

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 469A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 293C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 377D, (*ir*)

Coffman, D.D. *et al.*, *J. Polym. Sci.*, 1947, **2**, 306, (*polyamides*)

Belg. Pat., 1964, 652 893; *CA*, **64**, 11085a, (*synth*)

White, R.W. *et al.*, *Tet. Lett.*, 1971, 35911, (*synth*)