



>>Entry Name: *N,N'*-Bis(2-aminoethyl)-1,3-propanediamine, 9CI

Synonym(s): 1,9-Diamino-3,7-diazanonane

CAS Registry Number: 4741-99-5

H2NCH2CH2NHCH2CH2CH2NHCH2CH2NH2

Molecular Formula: C₇H₂₀N₄

Molecular Weight: 160.262

Accurate Mass: 160.168796

Percentage Composition: C 52.46%; H 12.58%; N 34.96%

Physical Description: Liq.

Boiling Point: Bp₈ 142-145°

Refractive Index: n_D²⁰ 1.4940

Aldrich: 33313-1

Fluka: 14503

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 503A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 309A, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 396C, (*ir*)

Brubaker, G.R. *et al.*, *Inorg. Chem.*, 1971, **10**, 968, (*synth*)

Dagnall, S.P. *et al.*, *J.C.S. Perkin 2*, 1984, 435, (*cmr*)