



>>Entry Name: Ethylenediamine-*N,N'*-diacetic acid

Synonym(s): *N,N'*-1,2-Ethanediybisglycine, 9Cl. *N,N'*-Ethylenediglycine, 8Cl

CAS Registry Number: 5657-17-0

HOOCCH₂NHCH₂CH₂NHCH₂COOH

Molecular Formula: C₆H₁₂N₂O₄

Molecular Weight: 176.172

Accurate Mass: 176.079708

Percentage Composition: C 40.91%; H 6.87%; N 15.90%; O 36.33%

Use/Importance: Chelating agent

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 224 dec.°

Aldrich: 15818-6

Fluka: 3575

Sigma: E8877

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 7597-23-1

Physical Description: Cryst.

Melting Point: Mp 190-195 dec.°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 565A, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **1**, 484B, (*nmr*)

Haydock, D.B. *et al.*, *J.C.S.(C)*, 1971, 2389, (*synth, ir, pmr*)

Choppin, C.R. *et al.*, *Inorg. Chem.*, 1980, **19**, 1686, (*pmr, cmr*)

Shkol'nikova, L.N. *et al.*, *Kristallografiya*, 1992, **37**, 692; *CA*, **118**, 49710a, (*cryst struct*)