



>>Entry Name: Hydrazinoacetic acid, 9CI

Synonym(s): Hydrazine-*N*-acetic acid

CAS Registry Number: 14150-64-2

H2NNHCH2COOH

Molecular Formula: C2H6N2O2

Molecular Weight: 90.082

Accurate Mass: 90.042928

Percentage Composition: C 26.67%; H 6.71%; N 31.10%; O 35.52%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 152°

Solubility: V. sol. H₂O; insol. EtOH, C₆H₆, Et₂O

>>Derivative: Hydrochloride

CAS Registry Number: 32815-85-3

Physical Description: Cryst.

Melting Point: Mp 155-155.5°

>>Derivative: Hydroiodide

Physical Description: Cryst.

Melting Point: Mp 156°

>>Derivative: Me ester

CAS Registry Number: 3990-22-5

Molecular Formula: C3H8N2O2

Molecular Weight: 104.108

Accurate Mass: 104.058578

Percentage Composition: C 34.61%; H 7.75%; N 26.91%; O 30.74%

Physical Description: Oil

Boiling Point: Bp_{1.2} 60-61°

>>Derivative: Et ester

CAS Registry Number: 637-80-9

Molecular Formula: C4H10N2O2

Molecular Weight: 118.135

Accurate Mass: 118.074228

Percentage Composition: C 40.67%; H 8.53%; N 23.71%; O 27.09%

Physical Description: Oil

Boiling Point: Bp_{1.5} 67°

>>Derivative: Et ester, hydrochloride

CAS Registry Number: 6945-92-2

Physical Description: Cryst. (EtOH)

Melting Point: Mp 152-154°

Aldrich: 12827-9

Fluka: 53890

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 1068C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 672D, (*ir*)

Darapsky, A. *et al.*, *Ber.*, 1912, **45**, 1654, (*synth*)

Carmi, A. *et al.*, *J.O.C.*, 1960, **25**, 44, (*synth*)

Knobloch, W. *et al.*, *J. Prakt. Chem.*, 1962, **17**, 271, (*esters*)

Dörre, R. *et al.*, *Pharmazie*, 1990, **45**, 1, (*rev*)