



>>Entry Name: Glycylsarcosine

Synonym(s): Glycylmethylglycine

CAS Registry Number: 29816-01-1

H2NCH2CONMeCH2COOH

Molecular Formula: $C_5H_{10}N_2O_3$

Molecular Weight: 146.146

Accurate Mass: 146.069143

Percentage Composition: C 41.09%; H 6.90%; N 19.17%; O 32.84%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 220° (200-201°)

pKa Value: pK_{a1} 2.98; pK_{a2} 8.57 (25°)

Fluka: 50430

Sigma: G3127

References:

Levene, P.A. *et al.*, *J. Biol. Chem.*, 1924, **61**, 450, (*synth*)

Brunetti, A.P. *et al.*, *J. Solution Chem.*, 1972, **1**, 153, (*complexes*)

Davies, D.B. *et al.*, *J.C.S. Perkin 2*, 1973, 1651, (*nmr, conformn*)

Torchia, D.A. *et al.*, *J.A.C.S.*, 1974, **96**, 5009, (*nmr*)

Evans, C.A. *et al.*, *J.A.C.S.*, 1974, **96**, 7312, (*nmr*)

Alger, J.R. *et al.*, *J. Magn. Reson.*, 1977, **27**, 137, (*nmr*)