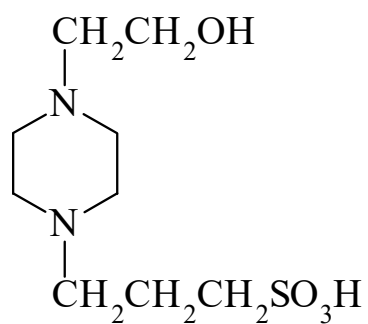




>>Entry Name: 4-(2-Hydroxyethyl)-1-piperazinepropanesulfonic acid, 9Cl

Synonym(s): N-(2-Hydroxyethyl)piperazine-N'-3-propanesulfonic acid. EPPS. HEPPS



CAS Registry Number: 16052-06-5

Related CAS Registry Numbers(s): 81484-17-5

Molecular Formula: C₉H₂₀N₂O₄S

Molecular Weight: 252.334

Accurate Mass: 252.114378

Percentage Composition: C 42.84%; H 7.99%; N 11.10%; O 25.36%; S 12.71%

Use/Importance: Good's buffer with pH range 7.5-8.5

Physical Description: Cryst. powder

Melting Point: Mp 231 dec.°

Solubility: V. sol. H₂O

pKa Value: pK_a 8 (20°)

Aldrich: 16374-0

Fluka: 54465

Sigma: E1894

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 893D, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 795B, (*nmr*)

Eagle, H., *Science (Washington, D.C.)*, 1971, **174**, 500, (*use*)

McGlothlin, C.D. *et al.*, *Anal. Lett.*, 1976, **9**, 245, (*props*)

Robinson, D.M., *Naturwissenschaften*, 1978, **65**, 438, (*use*)

Syvrtsen, C. *et al.*, *Eur. J. Biochem.*, 1981, **117**, 165, (*use*)

Hutchens, T.W. *et al.*, *J. Chromatogr.*, 1986, **359**, 157, (*use*)