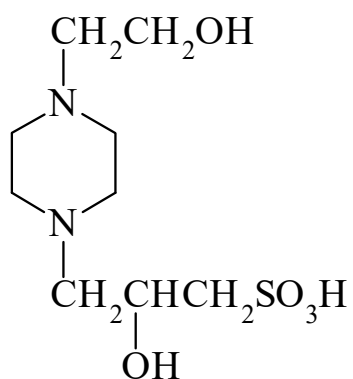




>>Entry Name: β -Hydroxy-4-(2-hydroxyethyl)-1-piperazinepropanesulfonic acid, 9Cl

Synonym(s): *N*-2-Hydroxyethylpiperazine-*N'*-2-hydroxypropanesulfonic acid. HEPPSO



CAS Registry Number: 68399-78-0

Related CAS Registry Numbers(s): 89648-37-3

Molecular Formula: $C_9H_{20}N_2O_5S$

Molecular Weight: 268.333

Accurate Mass: 268.109293

Percentage Composition: C 40.29%; H 7.51%; N 10.44%; O 29.81%; S 11.95%

Use/Importance: Good's buffer with pH range 7.4-8.6

Physical Description: Mesomorphic cryst.

Melting Point: Mp 96-98°. Mp 158-160°

Solubility: V. sol. H_2O

pKa Value: pK_a 7.9 (20°)

Aldrich: 44249-6

Fluka: 54458

Sigma: H3137

References:

Ferguson, W.J. *et al.*, *Anal. Biochem.*, 1980, **104**, 300, (*synth, use*)

Kaushal, V. *et al.*, *Anal. Biochem.*, 1986, **157**, 291, (*use*)

Pospichal, J. *et al.*, *J. Chromatogr.*, 1987, **390**, 17, (*use*)