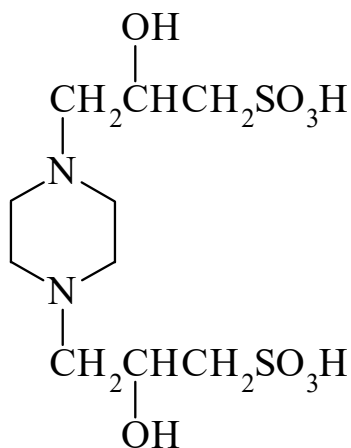




>>Entry Name: β,β' -Dihydroxy-1,4-piperazinedipropanesulfonic acid, 9Cl

Synonym(s): Piperazine-*N,N'*-bis(2-hydroxypropanesulfonic acid). POPSO



CAS Registry Number: 68189-43-5

Type of Compound Code(s): PS7500

Molecular Formula: $C_{10}H_{22}N_2O_8S_2$

Molecular Weight: 362.424

Accurate Mass: 362.081758

Percentage Composition: C 33.14%; H 6.12%; N 7.73%; O 35.32%; S 17.70%

Use/Importance: Good's buffer with pH range 7.2-8.5

Physical Description: Cryst. +2H₂O

Melting Point: Mp 320 dec.°

Solubility: Sl. sol. H₂O

pKa Value: p*K*_a 7.85 (20°)

Fluka: 80639

Sigma: P3405

References:

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

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

Coetzee, J. *et al.*, *J. Microsc. (Oxford)*, 1987, **146**, 143, (*use*)