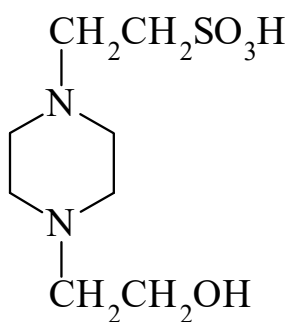




>>Entry Name: 4-(2-Hydroxyethyl)-1-piperazineethanesulfonic acid, 9Cl

Synonym(s): HEPES



CAS Registry Number: 7365-45-9

Related CAS Registry Numbers(s): 75277-39-3

Molecular Formula: $C_8H_{18}N_2O_4S$

Molecular Weight: 238.307

Accurate Mass: 238.098728

Percentage Composition: C 40.32%; H 7.61%; N 11.76%; O 26.86%; S 13.46%

Use/Importance: Good's buffer with pH range 6.8-8.2

Physical Description: Hygroscopic cryst. (EtOH aq.)

Melting Point: Mp 234-238 dec.°

pKa Value: pK_a 7.55 (20°)

Aldrich: 16371-6

Fluka: 54457

Sigma: H2524

References:

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