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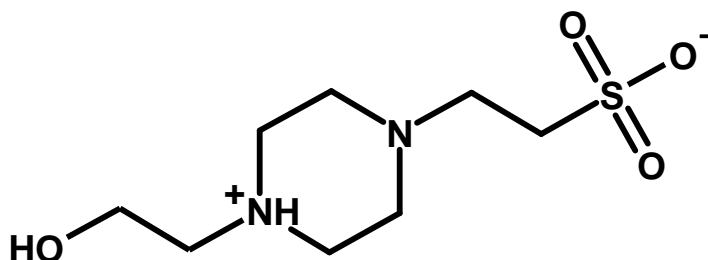
Product Specifications

2-[4-(2-Hydroxyethyl)piperazin-1-yl]ethanesulfonic Acid

CAS 7365-45-9

Syn: HEPES

Structure:



Mol. Formula
Source

$C_8H_{18}N_2O_4S$
Synthetic

Mol. Wt.

238.3

<i>Test</i>	<i>Specification</i>
Identity	NMR
Appearance	White microcryst. solid
Solubility (1M in H ₂ O)	Clear, colorless solution
pH (5% in H ₂ O)	4.5-6.5
Assay (titration)	≥ 99.5%
Water (K-F)	≤ 0.5%
UV (1M in H ₂ O) A _{260nm}	≤ 0.05 AU
UV (1M in H ₂ O) A _{280nm}	≤ 0.03 AU
pKa _{25 °C}	7.35-7.75
Insoluble matter in H ₂ O (ACS)	≤ 0.1%
Heavy metals (Pb)	≤ 5 ppm

Storage: Maintain in cool, dry containment.