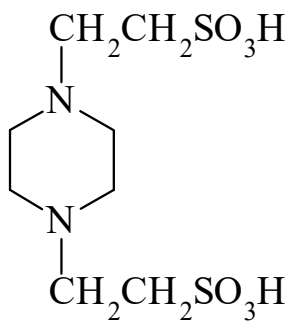




>>Entry Name: 1,4-Piperazinediethanesulfonic acid, 9CI

Synonym(s): Piperazine-1,4-bis(2-ethanesulfonic acid). PIPES



CAS Registry Number: 5625-37-6

Related CAS Registry Numbers(s): 10010-67-0 76836-02-7

Molecular Formula: C₈H₁₈N₂O₆S₂

Molecular Weight: 302.372

Accurate Mass: 302.060628

Percentage Composition: C 31.78%; H 6.00%; N 9.26%; O 31.75%; S 21.21%

Use/Importance: Good's buffer with pH range 6.1-7.5

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 300 dec.° (as mono-Na salt)

pKa Value: pK_a 6.8 (20°)

Aldrich: 16375-9

Fluka: 80636

Sigma: P6757

References:

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