

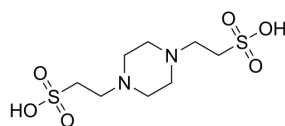
## PIPES

Cat. No.: HY-D0875  
CAS No.: 5625-37-6  
Batch No.: 266134  
Chemical Name: 1,4-Piperazinediethanesulfonic acid

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_8H_{18}N_2O_6S_2$   
Molecular Weight: 302.37  
Storage: Powder -20°C 3 years  
4°C 2 years  
In solvent -80°C 2 years  
-20°C 1 year

Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
Purity (NMR): ≥99.0%  
Water(KF): 0.04%  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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