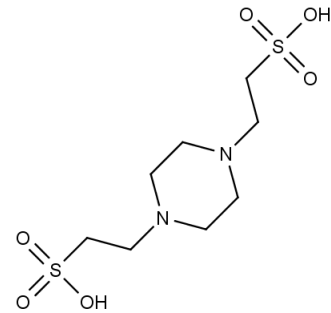


PIPES, ultra pure

Catalog No: 52755
Lot No: XXXXX
Cas No: 5625-37-6
Formula: C₈H₁₈N₂O₆S₂
MW: 302.37
Supplied as: solid
Stability: stable at room temperature



Background

PIPES (piperazine-N,N'-bis(2-ethanesulfonic acid)) is a frequently used buffering agent in biochemistry. PIPES has pKa (6.76 at 25°C) near the physiological pH which makes it useful in cell culture work. PIPES has been documented minimizing lipid loss when buffering glutaraldehyde histology in plant and animal tissues. Fungal zoospore fixation for fluorescence microscopy and electron microscopy were optimized with a combination of glutaraldehyde and formaldehyde in PIPES buffer. It has a negligible capacity to bind divalent ions.

Tests

Appearance:

Assay (titr.):

Water:

Heavy metals (Pb):

Abs. (1 cm/0.1 M in 0.1 M NaOH)

A₂₆₀

A₂₈₀

Specifications

white powder

≥99%

≤1%

≤0.0005%

≤0.05

≤0.04

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.

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