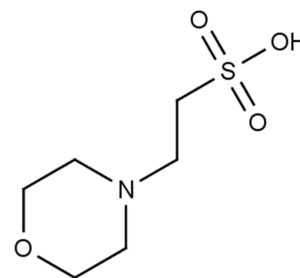




MES, ultra pure

Catalog No:	06010
Lot No:	XXXXX
Cas No:	4432-31-9
Formula:	C ₆ H ₁₃ NO ₄ S
MW:	195.24
Supplied as:	solid
Stability:	stable at room temperature, protect from moisture



Background

MES (2-(N-morpholino)ethanesulfonic acid) is used as a buffering agent. It has pKa value of 6.15 at 20°C. The pH (and pKa at ionic strength I≠0) of the buffer solution changes with concentration and temperature. MES is highly soluble in water. The melting point is approx. 300 °C. MOPS is a similar pH buffering compound which contains a propanesulfonic moiety instead of an ethanesulfonic one.

Tests

Appearance:	white powder
Assay (Titration):	≥99%
Solution (0.5 M in H₂O):	clear and colorless
pH (0.5 M in H₂O):	2.5 – 4.0
Water:	≤1%
Abs. (0.5 M in H₂O, 1 cm)	
A₂₆₀	<0.03
A₂₈₀	<0.03

Specifications

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.