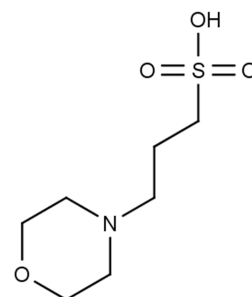




## MOPS, ultra pure

**Catalog No:** 06170  
**Lot No:** XXXXX  
**Cas No:** 1132-61-2  
**Formula:** C<sub>7</sub>H<sub>15</sub>NO<sub>4</sub>S  
**MW:** 209.26  
**Supplied as:** solid  
**Stability:** stable at room temperature



### Background

MOPS is frequently used as a buffering agent. It is a structural analog to MES. Its chemical structure contains a morpholine ring. With a pKa of 7.20, MOPS is an excellent buffer for many biological systems at near-neutral pH.

### Tests

**Appearance:**  
**Assay (titr.):**  
**pH (0.1 M, H<sub>2</sub>O):**  
**Fe:**  
**Pb:**  
**Abs. (1 cm/0.1 M in H<sub>2</sub>O)**  
**A<sub>260</sub>**  
**A<sub>280</sub>**

### Specifications

white to off-white crystalline powder  
≥99.5%  
3.5 – 4.5  
≤0.0005%  
≤0.001%  
≤0.05  
≤0.05

### 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.