

MOPS sodium salt

Cat. No. MPGZ-0002

Lot. No. (See product label)

Introduction

Description

MOPS sodium salt is the sodium form of the biological buffer MOPS, supplied as a high-purity crystalline powder for biochemical research.

Applications

Biochemical research; preparation of biological buffer solutions.

Synonyms

3-(N-Morpholino)propanesulfonic acid sodium salt; 3-(4-Morpholino)propanesulfonic acid sodium salt; 4-Morpholinepropanesulfonic acid sodium salt

Product Information

Appearance

White crystalline powder

Form

Powder

CAS No.

71119-22-7

Molecular Formula

C₇H₁₄NNaO₄S

Chemical Name

3-(N-Morpholino)propanesulfonic acid sodium salt

Molecular Weight

231.25 g/mol

Purity

≥99.0%

Contaminants

Heavy metals: ≤5 ppm

pH Stability

Useful pH range: 6.5-7.9

Function

Biological buffer component.

Melting Point

277-282°C

Quality

UV absorbance at 260 nm: ≤0.1 UV absorbance at 280 nm: ≤0.1 pH: 10.0-11.8 pKa at 25°C: 7.2

Grade

High purity grade

Notes

Useful pH range: 6.5-7.9.

Usage

For biochemical research and preparation of biological buffer solutions.

Usage and Packaging

Package

25 g 100 g 500 g

Storage and Shipping Information

Storage

Room temperature