MOPS sodium salt

Cat. No.: HY-D0859A

CAS No.: 71119-22-7

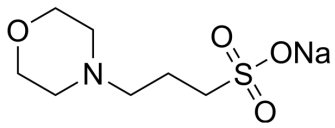
Molecular Formula: $C_7H_{14}NNaO_4S$

Molecular Weight: 231.25

Target: Biochemical Assay Reagents

Pathway: Others

Storage: 4°C, sealed storage, away from moisture
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 100 mg/mL (432.43 mM; Need ultrasonic)
DMSO : 50 mg/mL (216.22 mM; Need ultrasonic)

Preparing Stock Solutions

Mass / Solvent / Concentration	1 mg	5 mg	10 mg
1 mM	4.3243 mL	21.6216 mL	43.2432 mL
5 mM	0.8649 mL	4.3243 mL	8.6486 mL
10 mM	0.4324 mL	2.1622 mL	4.3243 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

MOPS sodium salt is commonly used as a buffering agent in biology. MOPS buffer can maintain the pH of mammalian cell culture media[1][2].

REFERENCES

[1]. Steven D Carson, et al. MOPS and coxsackievirus B3 stability. Virology. 2017 Jan 15;501:183-187.

[2]. Juliane Schmidt, et al. Effect of Tris, MOPS, and phosphate buffers on the hydrolysis of polyethylene terephthalate films by polyester hydrolases. FEBS Open Bio. 2016 Jul 20;6(9):919-27.

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

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