
Product Data Sheet

Product Name: MES sodium salt

Cat. No.: GC61042

Chemical Properties

Cas. No. 71119-23-8

SMILES O=S(CCN1CCOCC1)(O[Na])=OFormula C6H12NNaO4S

M.Wt 217.22

Solubility DMSO : 25 mg/mL (115.09 mM; Need ultrasonic); H₂O : 25 mg/mL (115.09 mM; Need ultrasonic)Store
Storage at -
20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

MES (2-Morpholinoethanesulphonic acid) sodium salt, a zwitterionic buffer, is effective in the pH range of 5.5-7.7. MES sodium salt, as one of the Good's buffers, is broadly used to regulate pH value for plants culture medium, reagent solution, and physiological experiments[1][2].

[1]. Kagenishi T, et al. MES Buffer Affects Arabidopsis Root Apex Zonation and Root Growth by Suppressing Superoxide Generation in Root Apex. *Front Plant Sci.* 2016;7:79. Published 2016 Feb 18. [2]. Mash HE, et al. Complexation of copper by zwitterionic aminosulfonic (good) buffers. *Anal Chem.* 2003;75(3):671-677.

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

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