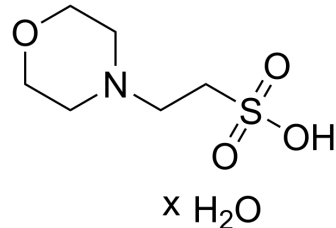


## MES hydrate

Cat. No.:	HY-D0858C
CAS No.:	1266615-59-1
Molecular Formula:	C <sub>6</sub> H <sub>13</sub> NO <sub>4</sub> S.xH <sub>2</sub> O
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

MES (2-Morpholinoethanesulphonic acid) hydrate is a buffering agent in biology and biochemistry. MES hydrate is one of the Good's buffers, the buffer capacity ranging pH 5.5-7.0. MES hydrate is broadly used to regulate pH value for plants culture medium, reagent solution, and physiological experiments<sup>[1][2]</sup>.

### REFERENCES

[1]. N E Good, et al. Hydrogen ion buffers for biological research. *Biochemistry*. 1966 Feb;5(2):467-77.

[2]. Tomoko Kagenishi, et al. MES Buffer Affects Arabidopsis Root Apex Zonation and Root Growth by Suppressing Superoxide Generation in Root Apex. *Front Plant Sci*. 2016 Feb 18;7:79.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA