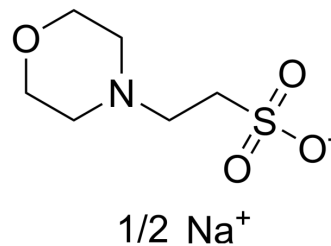


## MES hemisodium

Cat. No.:	HY-D0858D
CAS No.:	117961-21-4
Molecular Formula:	C <sub>6</sub> H <sub>13</sub> NO <sub>4</sub> S.1/2Na
Molecular Weight:	205.72
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) sodium is a buffering agent in biology and biochemistry. MES sodium is one of the Good's buffers, the buffer capacity ranging pH 5.5-7.0. MES sodium 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.**

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