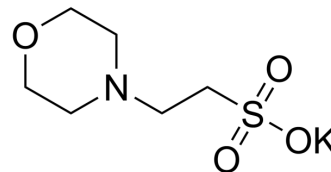


MES potassium

Cat. No.:	HY-D0858E
CAS No.:	39946-25-3
Molecular Formula:	C ₆ H ₁₂ KNO ₄ S
Molecular Weight:	233.33
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

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

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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