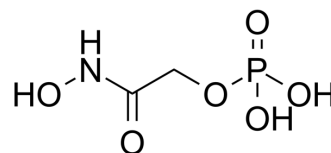


Phosphoglycolohydroxamic acid

Cat. No.:	HY-148077
CAS No.:	51528-59-7
Molecular Formula:	C ₂ H ₆ NO ₆ P
Molecular Weight:	171.05
Target:	Bacterial; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Phosphoglycolohydroxamic acid is a potent aldolase and triose-phosphate isomerase inhibitor. Phosphoglycolohydroxamic acid can be used in the research of antibacterial and antifungal area ^{[1][2]} .
IC ₅₀ & Target	Aldolase, triose-phosphate isomerase ^[1]
In Vitro	Phosphoglycolohydroxamic acid competitively inhibits rabbit muscle FDP-aldolase and chicken triosephosphate isomerase over a wide range pH ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. By DENNIS J. LEWI, et al. Phosphoglycolohydroxamic Acid : an Inhibitor of Class I and II Aldolases and Triosephosphate Isomerase. A Potential Antibacterial and Antifungal Agent. J. Chem. Soc., Chem. Commun., 1973, 713-715.

[2]. Sabine Gavalda, et al. N-Sulfonyl hydroxamate derivatives as inhibitors of class II fructose-1,6-diphosphate aldolase. Bioorg Med Chem Lett. 2005 Dec 15;15(24):5375-7.

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

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