



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

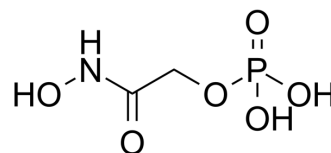
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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]} .
IC₅₀ & 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.

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