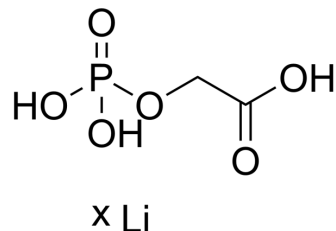


Phosphoglycolic acid lithium

Cat. No.:	HY-138877A
Molecular Formula:	C ₂ H ₅ O ₆ P _{·x} Li
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 50 mg/mL

* "≥" means soluble, but saturation unknown.

BIOLOGICAL ACTIVITY

Description

Phosphoglycolic acid (lithium) is a competitive inhibitor of phosphoglycerate mutase (PGAM)-B, an enzyme of the glycolytic pathway. Phosphoglycolic acid increases basal and fMLF-induced levels of G6P in intact neutrophils. Phosphoglycolic acid thereby increases upstream intermediates in neutrophils, thereby amplifying the respiratory oxidative burst^[1].

REFERENCES

[1]. Shalom-Barak T, et al. A p21-activated kinase-controlled metabolic switch up-regulates phagocyte NADPH oxidase. J Biol Chem. 2002 Oct 25;277(43):40659-65.

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