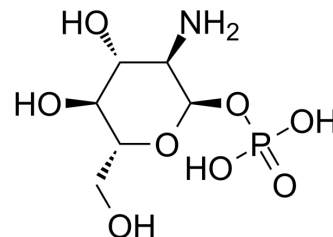


α-D-Glucosamine 1-phosphate

Cat. No.:	HY-154871
CAS No.:	2152-75-2
Molecular Formula:	C ₆ H ₁₄ NO ₈ P
Molecular Weight:	259.15
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

α-D-Glucosamine 1-phosphate is an E.coli metabolite. α-D-Glucosamine 1-phosphate is one of the precursors of peptidoglycan synthesis^{[1][2]}.

REFERENCES

- [1]. Mengin-Lecreux D, et al. Characterization of the essential gene glmM encoding phosphoglucosamine mutase in Escherichia coli. J Biol Chem. 1996 Jan 5;271(1):32-9.
- [2]. Craggs PD, et al. The Mechanism of Acetyl Transfer Catalyzed by Mycobacterium tuberculosis GImU. Biochemistry. 2018 Jun 19;57(24):3387-3401.

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

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