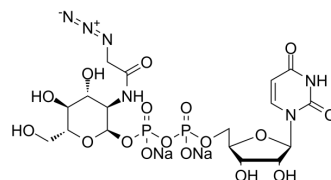


UDP-GlcNAz disodium

Cat. No.:	HY-145934A
CAS No.:	1611490-64-2
Molecular Formula:	C ₁₇ H ₂₄ N ₆ Na ₂ O ₁₇ P ₂
Molecular Weight:	692.33
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 125 mg/mL (180.55 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.4444 mL	7.2220 mL	14.4440 mL
5 mM	0.2889 mL	1.4444 mL	2.8888 mL
10 mM	0.1444 mL	0.7222 mL	1.4444 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

UDP-GlcNAz disodium is a substrate for UDP-GlcNAc:polypeptidyltransferase. UDP-GlcNAz serves as a sugar donor for the process catalyzed by the OGT enzyme and labels proteins through this process^{[1][2]}.

REFERENCES

[1]. Vocadlo DJ, et, al. A chemical approach for identifying O-GlcNAc-modified proteins in cells. Proc Natl Acad Sci U S A. 2003 Aug 5;100(16):9116-21.

[2]. Kim EJ, et al. Versatile O-GlcNAc transferase assay for high-throughput identification of enzyme variants, substrates, and inhibitors. Bioconjug Chem. 2014 Jun 18;25(6):1025-30.

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

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