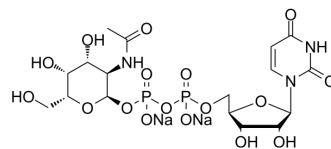


UDP-GalNAc disodium

Cat. No.:	HY-114365
CAS No.:	108320-87-2
Molecular Formula:	C ₁₇ H ₂₅ N ₃ Na ₂ O ₁₇ P ₂
Molecular Weight:	651.32
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 125 mg/mL (191.92 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.5353 mL	7.6767 mL	15.3534 mL
	5 mM	0.3071 mL	1.5353 mL	3.0707 mL
	10 mM	0.1535 mL	0.7677 mL	1.5353 mL

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

BIOLOGICAL ACTIVITY

Description

UDP-GalNAc (UDP-N-acetyl-D-galactosamine) disodium is a sugar nucleotide and a substrate of EpsC115. EpsC115 is an exopolymeric substances (EPS) N-terminal deletion mutant with the residue 1-115 deletion. UDP-GalNAc is the donor substrate of many N-acetylgalactosaminyltransferases, enzymes which transfer GalNAc from the nucleotide sugar to a saccharide or peptide acceptor^[1].

REFERENCES

[1]. Kaundinya CR, et al. In vitro characterization of N-terminal truncated EpsC from Bacillus subtilis 168, a UDP-N-acetylglucosamine 4,6-dehydratase. Arch Biochem Biophys. 2018 Nov 1;657:78-88.

[2]. Hang HC, et al. Probing glycosyltransferase activities with the Staudinger ligation. J Am Chem Soc. 2004 Jan 14;126(1):6-7.

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

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