UDP-xylose disodium

Cat. No.: HY-N11287A

CAS No.: 108320-89-4

Molecular Formula: $C_{14}H_{20}N_2Na_2O_{16}P_2$

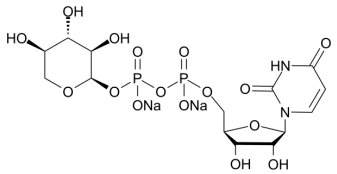
Molecular Weight: 580.24

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

H_2O : 100 mg/mL (172.34 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.7234 mL	8.6171 mL	17.2342 mL
	5 mM	0.3447 mL	1.7234 mL	3.4468 mL
	10 mM	0.1723 mL	0.8617 mL	1.7234 mL

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

BIOLOGICAL ACTIVITY

Description

UDP-xylose disodium is a natural product that could be isolated from Cryptococcus laurentii (N RRL Y-1401). UDP-xylose disodium is a sugar donor for the synthesis of glycoproteins, polysaccharides, various metabolites, and oligosaccharides in plants, vertebrates, and fungi[1][2]..

REFERENCES

[1]. ANKEL H, et, al. ISOLATION OF UDP-D-XYLOSE FROM CRYPTOCOCCUS LAURENTII (NRRL Y-1401). Biochim Biophys Acta. 1964 Aug 19;90:397-9.

[2]. Pattathil S, et al. Biosynthesis of UDP-xylose: characterization of membrane-bound AtUxs2. Planta. 2005 Jun;221(4):538-48.

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