

UDP-xylose disodium

Chemical Properties

CAS No. : 108320-89-4

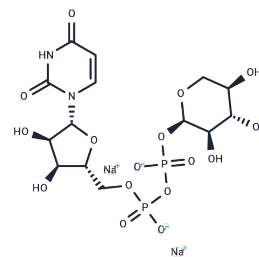
Formula: C₁₄H₂₀N₂Na₂O₁₆P₂

Molecular Weight: 580.24

Storage:

Keep away from moisture, Store at low temperature,
Store under nitrogen, Keep away from direct sunlight
Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	UDP-xylose disodium is a compound that can be isolated from <i>Cryptococcus laurentii</i> and is a sugar donor that can be used for the synthesis of glycoproteins, polysaccharides, various metabolites and oligosaccharides in plants, vertebrates and fungi.
Targets(IC50)	Others, Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 250 mg/mL (430.86 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0345 mL	0.1723 mL	0.3447 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

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

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