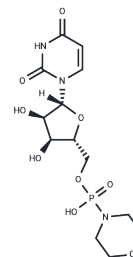


UMP-morpholidate

Chemical Properties

CAS No. :	27908-36-7
Formula:	C ₁₃ H ₂₀ N ₃ O ₉ P
Molecular Weight:	393.29
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	UMP-morpholidate is an intermediate used in pharmaceutical synthesis by coupling.
Targets(IC50)	Others
In vitro	From D-(13C6) glucose provides a simple gram-grade uridine diphosphate (13C6) glucose synthesis method. The key step is the use of 1H-tetrazole-catalyzed coupling of 2,3,4,6-tetra-O-acetyl- α -D-glucopyranosyl-1-phosphate with UMP-morpholinate .

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5427 mL	12.7133 mL	25.4265 mL
5 mM	0.5085 mL	2.5427 mL	5.0853 mL
10 mM	0.2543 mL	1.2713 mL	2.5427 mL
50 mM	0.0509 mL	0.2543 mL	0.5085 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

Dinev Z, et al. A convenient gram-scale synthesis of uridine diphospho(13C6)glucose. Carbohydr Res. 2006 Jul 24; 341(10):1743-7.

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