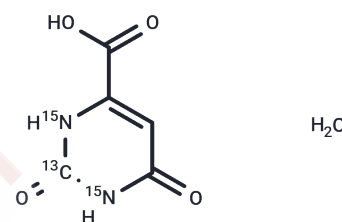


Orotic acid-13C,15N2 monohydrate

Chemical Properties

CAS No. : 1346602-15-0
 Formula: C₅H₆N₂O₅
 Molecular Weight: 177.09
 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	Orotic acid-13C,15N2 monohydrate is a marker used in the routine newborn screening for abnormalities in the urea cycle. Orotic acid can induce hepatic steatosis and liver enlargement in rats.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6468 mL	28.2342 mL	56.4685 mL
5 mM	1.1294 mL	5.6468 mL	11.2937 mL
10 mM	0.5647 mL	2.8234 mL	5.6468 mL
50 mM	0.1129 mL	0.5647 mL	1.1294 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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