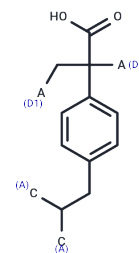


Ibuprofen-D2

Chemical Properties

CAS No. :	2491695-94-2
Formula:	C ₁₃ D ₂ H ₁₆ O ₂
Molecular Weight:	208.29
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	Ibuprofen-D2 is a deuterated compound of Ibuprofen. Ibuprofen (T1394) has a CAS number of 15687-27-1. Ibuprofen (T1394) is a propionic acid derivate and nonsteroidal anti-inflammatory drug (NSAID) with anti-inflammatory, analgesic, and antipyretic effects. Ibuprofen (T1394) inhibits the activity of cyclo-oxygenase I and II, resulting in a decreased formation of precursors of prostaglandins and thromboxanes.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.801 mL	24.005 mL	48.010 mL
5 mM	0.9602 mL	4.801 mL	9.602 mL
10 mM	0.4801 mL	2.4005 mL	4.801 mL
50 mM	0.096 mL	0.4801 mL	0.9602 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.

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