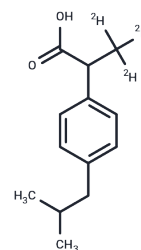


Ibuprofen-D3

Chemical Properties

CAS No. :	121662-14-4
Formula:	C ₁₃ H ₁₈ O ₂
Molecular Weight:	209.3
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-D3 is a deuterium labeled Ibuprofen. Ibuprofen (T1394) is a COX-1 and COX-2 inhibitor (IC50s: 13 μM and 370 μM).
Targets(IC50)	Apoptosis,Parasite,COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7778 mL	23.8892 mL	47.7783 mL
5 mM	0.9556 mL	4.7778 mL	9.5557 mL
10 mM	0.4778 mL	2.3889 mL	4.7778 mL
50 mM	0.0956 mL	0.4778 mL	0.9556 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

Noreen Y, et al. Development of a radiochemical cyclooxygenase-1 and -2 in vitro assay for identification of natural products as inhibitors of prostaglandin biosynthesis. J Nat Prod. 1998 Jan;61(1):2-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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