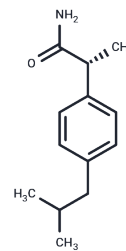


(-)-Ibuprofenamide

Chemical Properties

CAS No. :	121839-78-9
Formula:	C ₁₃ H ₁₉ NO
Molecular Weight:	205.3
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	(-)-Ibuprofenamide, an amide prodrug of Ibuprofen, exhibits anti-inflammatory activity.
Targets(IC50)	Others, COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8709 mL	24.3546 mL	48.7092 mL
5 mM	0.9742 mL	4.8709 mL	9.7418 mL
10 mM	0.4871 mL	2.4355 mL	4.8709 mL
50 mM	0.0974 mL	0.4871 mL	0.9742 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

Shanbhag VR, et al. Ester and amide prodrugs of ibuprofen and naproxen: synthesis, anti-inflammatory activity, and gastrointestinal toxicity. J Pharm Sci. 1992 Feb;81(2):149-54.

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.

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