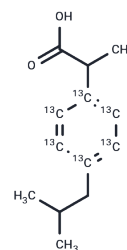


## Ibuprofen-13C6

## Chemical Properties

CAS No. :	1216459-54-9
Formula:	C <sub>13</sub> H <sub>18</sub> O <sub>2</sub>
Molecular Weight:	212.24
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-13C6 is a 13C-labeled form of Ibuprofen (T1394). Ibuprofen (±)-Ibuprofen acts as an orally active COX-1 selective inhibitor with an IC50 of 13 μM. It inhibits cell proliferation and angiogenesis while inducing apoptosis. Additionally, Ibuprofen (T1394) functions as a non-steroidal anti-inflammatory agent and a nitric oxide (NO) donor. It is used in research involving pain, swelling, inflammation, infections, immunology, and cancer.
Targets(IC50)	Apoptosis,Parasite,COX

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7116 mL	23.5582 mL	47.1165 mL
5 mM	0.9423 mL	4.7116 mL	9.4233 mL
10 mM	0.4712 mL	2.3558 mL	4.7116 mL
50 mM	0.0942 mL	0.4712 mL	0.9423 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

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481