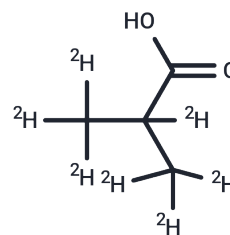


2-Methylpropionic-D7 acid

Chemical Properties

CAS No. :	223134-74-5
Formula:	C4D7H1O2
Molecular Weight:	95.15
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	2-Methylpropionic-D7 acid is a deuterated compound of 2-Methylpropionic acid. 2-Methylpropionic acid has a CAS number of 79-31-2. Isobutyric acid Description Isobutyric acid is a carboxylic or short chain fatty acid with characteristic sweat-like smell. Small amount of isobutyrate is generated via microbial (gut) metabolism. Small amounts may also be found in certain foods or fermented beverages. There is anosmia (genetic inability to smell) for the odor of isobutyric acid with a frequency of about 2.5%. (OMIM 207000). Isobutyric acid is slightly soluble in water but much more soluble in ethanol, ether and organic solvents. Isobutyric acid can affect people if breathed in and may be absorbed through the skin. Contact can irritate and burn the skin and eyes. Breathing Isobutyric acid can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	10.5097 mL	52.5486 mL	105.0972 mL
5 mM	2.1019 mL	10.5097 mL	21.0194 mL
10 mM	1.051 mL	5.2549 mL	10.5097 mL
50 mM	0.2102 mL	1.051 mL	2.1019 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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