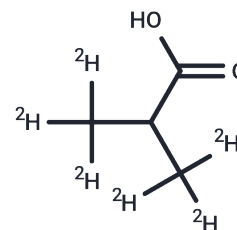


## Isobutyric-D6 acid

### Chemical Properties

CAS No. :	29054-08-8
Formula:	C4D6H2O2
Molecular Weight:	94.14
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	Isobutyric-D6 acid Isobutyric-D6 acid is a deuterated compound of Isobutyric acid. Isobutyric 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,Endogenous Metabolite

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	10.6225 mL	53.1124 mL	106.2248 mL
5 mM	2.1245 mL	10.6225 mL	21.245 mL
10 mM	1.0622 mL	5.3112 mL	10.6225 mL
50 mM	0.2124 mL	1.0622 mL	2.1245 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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