

Isobutyl Butyrate

Chemical Properties

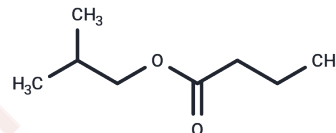
CAS No. : 539-90-2

Formula: C₈H₁₆O₂

Molecular Weight: 144.21

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Isobutyl Butyrate is a butyrate ester formed by the condensation of butyric acid with isobutyl alcohol, which is a metabolite of rifampicin, an antibiotic of rifamycins. Isobutyl Butyrate is a fruity organic compound used mainly in the formulation of flavors.
Targets(IC50)	Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.9343 mL	34.6717 mL	69.3433 mL
5 mM	1.3869 mL	6.9343 mL	13.8687 mL
10 mM	0.6934 mL	3.4672 mL	6.9343 mL
50 mM	0.1387 mL	0.6934 mL	1.3869 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

Seo H, et al. Engineering a Synthetic Escherichia coli Coculture for Compartmentalized de novo Biosynthesis of Isobutyl Butyrate from Mixed Sugars. ACS Synth Biol. 2024 Jan 19;13(1):259-268.

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