

## Methyl-2-Butyl-Butyrate

## Chemical Properties

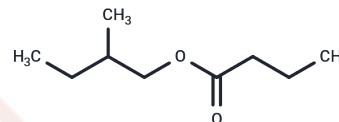
CAS No. : 51115-64-1

Formula: C<sub>9</sub>H<sub>18</sub>O<sub>2</sub>

Molecular Weight: 158.24

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	Methyl-2-Butyl-Butyrate (2-methylbutyl butyrate) is a RIFM flavor.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.3195 mL	31.5976 mL	63.1951 mL
5 mM	1.2639 mL	6.3195 mL	12.639 mL
10 mM	0.632 mL	3.1598 mL	6.3195 mL
50 mM	0.1264 mL	0.632 mL	1.2639 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

Conte M, et al. The smell of longevity: a combination of Volatile Organic Compounds (VOCs) can discriminate centenarians and their offspring from age-matched subjects and young controls. *Geroscience*. 2020 Feb;42(1): 201-216.

Strapasson, P., et al. Electrophysiological and behavioral response of the oriental fruit moth *Grapholita molesta* (Busck, 1916) (Lepidoptera: Tortricidae) to the volatiles of apple fruits at different stages of development.

*Arthropod-Plant Interactions* 10, 517-524 (2016).

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