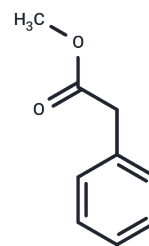


Methyl phenylacetate

Chemical Properties

CAS No. :	101-41-7
Formula:	C ₉ H ₁₀ O ₂
Molecular Weight:	150.17
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 phenylacetate (Methyl 2-phenylacetate) is a RIFM flavor extracted from the outer layer of fermenting mycelium.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (332.96 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6591 mL	33.2956 mL	66.5912 mL
5 mM	1.3318 mL	6.6591 mL	13.3182 mL
10 mM	0.6659 mL	3.3296 mL	6.6591 mL
50 mM	0.1332 mL	0.6659 mL	1.3318 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

Xia Y, et al. Changes in volatile compound composition of *Antrodia camphorata* during solid state fermentation. *J Sci Food Agric*. 2011 Oct;91(13):2463-70.

Huang S Y, Hsieh C W, Feng C W. In vitro neuroprotective effects and in silico evaluation of the pharmacological potential of two phenolic acids and a derivative originated from the edible red macroalga (*Bangia fuscopurpurea*). *Journal of Functional Foods*. 2024, 119: 106322.

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