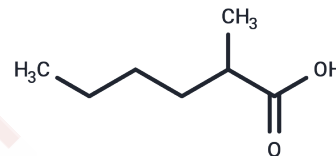


## 2-Methylhexanoic acid

## Chemical Properties

CAS No. :	4536-23-6
Formula:	C7H14O2
Molecular Weight:	130.18
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	2-Methylhexanoic acid is a flavouring ingredient.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 22.5 mg/mL (172.84 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (15.36 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.6817 mL	38.4084 mL	76.8167 mL
5 mM	1.5363 mL	7.6817 mL	15.3633 mL
10 mM	0.7682 mL	3.8408 mL	7.6817 mL
50 mM	0.1536 mL	0.7682 mL	1.5363 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

Ohashi Y , Abe H , Ito Y .  $\beta$  Hydroxy L valine and 4 amino 3,6 dihydroxy 2 methylhexanoic acid, constitutional amino acids of the antibiotic YA 56[J]. Agricultural & Biological Chemistry, 1973, 37(10):2283-2287.

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