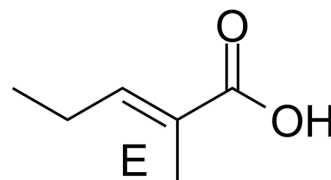


(E)-2-Methyl-2-pentenoic acid

Cat. No.:	HY-W010533		
CAS No.:	16957-70-3		
Molecular Formula:	C ₆ H ₁₀ O ₂		
Molecular Weight:	114.14		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (876.12 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	8.7612 mL	43.8059 mL	87.6117 mL
		5 mM	1.7522 mL	8.7612 mL	17.5223 mL
10 mM		0.8761 mL	4.3806 mL	8.7612 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (21.90 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (21.90 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (21.90 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	(E)-2-Methyl-2-pentenoic acid is the component can be used to synthesize the cytotoxic natural product Lactimidomycin ^[1] .
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REFERENCES

[1]. Li W, et al. A concise formal total synthesis of lactimidomycin. Chem Commun (Camb). 2015 May 21;51(41):8634-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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