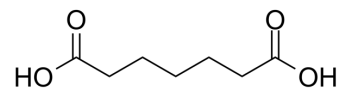


Pimelic acid

Cat. No.:	HY-Y1139		
CAS No.:	111-16-0		
Molecular Formula:	C ₇ H ₁₂ O ₄		
Molecular Weight:	160.17		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

H₂O : 110 mg/mL (686.77 mM; Need ultrasonic)
 DMSO : 100 mg/mL (624.34 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.2434 mL	31.2168 mL	62.4337 mL
	5 mM	1.2487 mL	6.2434 mL	12.4867 mL
	10 mM	0.6243 mL	3.1217 mL	6.2434 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.75 mg/mL (17.17 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.75 mg/mL (17.17 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Pimelic acid is the organic compound and its derivatives are involved in the biosynthesis of the amino acid called lysine.

IC₅₀ & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

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- Microbiome. 2019 Mar 20;7(1):43.
 - Laurea Magistrale in Biomedical Engineering, Politecnico di Milano. 2019 Jun.

See more customer validations on www.MedChemExpress.com

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

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