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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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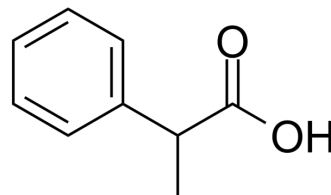
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2-Phenylpropionic acid

Cat. No.:	HY-W015608	
CAS No.:	492-37-5	
Molecular Formula:	C ₉ H ₁₀ O ₂	
Molecular Weight:	150.18	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
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 (665.87 mM)
 H₂O : 4.35 mg/mL (28.97 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.6587 mL	33.2934 mL	66.5868 mL
	5 mM	1.3317 mL	6.6587 mL	13.3174 mL
	10 mM	0.6659 mL	3.3293 mL	6.6587 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 100 mg/mL (665.87 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2-Phenylpropionic acid is an intermediate in alpha-Methylstyrene metabolism.

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. De Costa KS, et al. Metabolism and disposition of alpha-methylstyrene in rats. Drug Metab Dispos. 2001 Feb;29(2):166-71.

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

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