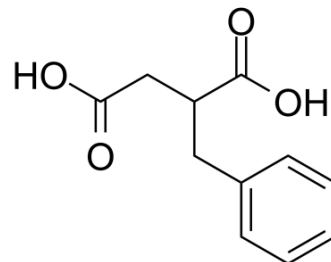


2-Benzylsuccinic acid

Cat. No.:	HY-W044764
CAS No.:	884-33-3
Molecular Formula:	C ₁₁ H ₁₂ O ₄
Molecular Weight:	208.21
Target:	Carboxypeptidase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 500 mg/mL (2401.42 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.8028 mL	24.0142 mL	48.0284 mL
		5 mM	0.9606 mL	4.8028 mL	9.6057 mL
		10 mM	0.4803 mL	2.4014 mL	4.8028 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 4.17 mg/mL (20.03 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 4.17 mg/mL (20.03 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 4.17 mg/mL (20.03 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	2-Benzylsuccinic acid (DL-Benzylsuccinic acid) is a potent inhibitor of carboxypeptidase A (CPA) ^[1] .
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REFERENCES

[1]. Mark P. Wentland, et al. 96-Well Plate Colorimetric Assay for Ki Determination of (+/-)-2-Benzylsuccinic Acid, an Inhibitor of Carboxypeptidase A: A Laboratory Experiment in Drug Discovery. J Chem Educ. 2004 Mar 1, 81 (3):398.

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

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