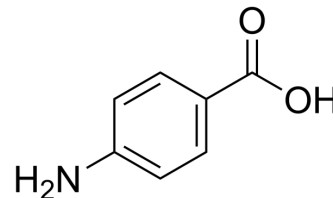


4-Aminobenzoic acid

Cat. No.:	HY-B1008
CAS No.:	150-13-0
Molecular Formula:	C ₇ H ₇ NO ₂
Molecular Weight:	137.14
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

DMSO : 75 mg/mL (546.89 mM; Need ultrasonic)
 H₂O : 4.55 mg/mL (33.18 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		7.2918 mL	36.4591 mL	72.9182 mL
	5 mM		1.4584 mL	7.2918 mL	14.5836 mL
	10 mM		0.7292 mL	3.6459 mL	7.2918 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 4.17 mg/mL (30.41 mM); Clear solution; Need ultrasonic and warming and heat to 60°C
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (18.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (18.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (18.23 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4-Aminobenzoic acid is an intermediate in the synthesis of folic acid by bacteria, plants and fungi.

IC₅₀ & Target

Microbial Metabolite

Human Endogenous Metabolite

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

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