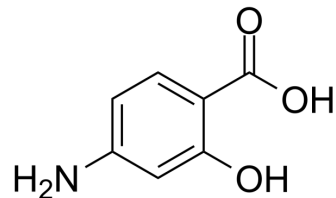


4-Aminosalicylic acid

Cat. No.:	HY-I0447		
CAS No.:	65-49-6		
Molecular Formula:	C ₇ H ₇ NO ₃		
Molecular Weight:	153.14		
Target:	Bacterial; Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-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 (653.00 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.5300 mL	32.6499 mL	65.2997 mL
	5 mM	1.3060 mL	6.5300 mL	13.0599 mL
	10 mM	0.6530 mL	3.2650 mL	6.5300 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: ≥ 2.5 mg/mL (16.32 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (16.32 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (16.32 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4-Aminosalicylic acid (ASA) is an orally active antibiotic and has the potential to treat tuberculosis^[1].

REFERENCES

[1]. Vânia André, et al. Crystal Forms of the Antibiotic 4-Aminosalicylic Acid: Solvates and Molecular Salts with Dioxane, Morpholine, and Piperazine. Cryst. Growth Des. 2009,

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

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