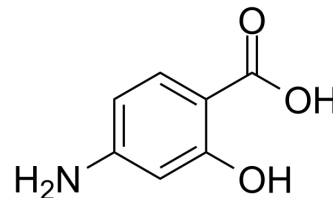


## 4-Aminosalicylic acid

<b>Cat. No.:</b>	HY-I0447	
<b>CAS No.:</b>	65-49-6	
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>7</sub> NO <sub>3</sub>	
<b>Molecular Weight:</b>	153.14	
<b>Target:</b>	Bacterial; Antibiotic	
<b>Pathway:</b>	Anti-infection	
<b>Storage:</b>	Powder	-20°C 3 years 4°C 2 years
	In solvent	-80°C 6 months -20°C 1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (653.00 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	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.					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (16.32 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (16.32 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (16.32 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	4-Aminosalicylic acid (ASA) is an orally active antibiotic and has the potential to treat tuberculosis <sup>[1]</sup> .
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### 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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