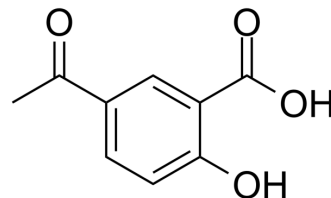


5-Acetylsalicylic acid

Cat. No.:	HY-107831		
CAS No.:	13110-96-8		
Molecular Formula:	C ₉ H ₈ O ₄		
Molecular Weight:	180		
Target:	Others		
Pathway:	Others		
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 : 100 mg/mL (555.56 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.5556 mL	27.7778 mL	55.5556 mL
	5 mM	1.1111 mL	5.5556 mL	11.1111 mL
	10 mM	0.5556 mL	2.7778 mL	5.5556 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 (13.89 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (13.89 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (13.89 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

5-Acetylsalicylic acid has anti-inflammatory and is considered to be the active agent in inflammatory bowel disease (IBD)^[1].

REFERENCES

[1]. Lee HJ, et al. The influence of probiotic treatment on sulfasalazine metabolism in rat. *Xenobiotica*. 2012 Aug;42(8):791-7.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA