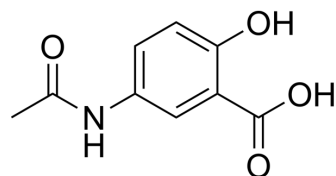


## N-Acetyl mesalazine

<b>Cat. No.:</b>	HY-66008
<b>CAS No.:</b>	51-59-2
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>9</sub> NO <sub>4</sub>
<b>Molecular Weight:</b>	195.17
<b>Target:</b>	Drug Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (640.47 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.1237 mL	25.6187 mL	51.2374 mL
	5 mM	1.0247 mL	5.1237 mL	10.2475 mL
	10 mM	0.5124 mL	2.5619 mL	5.1237 mL

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

### BIOLOGICAL ACTIVITY

#### Description

N-Acetyl mesalazine (N-Acetyl-5-aminosalicylic acid) is the metabolite of 5-Aminosalicylic Acid (HY-15027) with endoscopic activity. N-Acetyl mesalazine can be used for the research of ulcerative colitis<sup>[1]</sup>.

### REFERENCES

- [1]. Allgayer H, et al. Modulation of base hydroxylation by bile acids and salicylates in a model of human colonic mucosal DNA: putative implications in colonic cancer. *Dig Dis Sci.* 1999 Apr;44(4):761-7.
- [2]. Fukuda T, et al. Mucosal concentrations of N-acetyl-5-aminosalicylic acid related to endoscopic activity in ulcerative colitis patients with mesalamine. *J Gastroenterol Hepatol.* 2020 Nov;35(11):1878-1885.

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**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](mailto:tech@MedChemExpress.com)

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