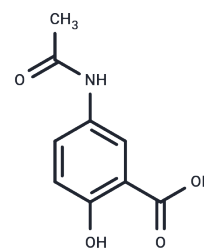


N-acetyl-5-Aminosalicylic Acid

Chemical Properties

CAS No. :	51-59-2
Formula:	C ₉ H ₉ NO ₄
Molecular Weight:	195.17
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	N-acetyl-5-Aminosalicylic acid is a metabolite of the anti-inflammatory agent 5-aminosalicylic acid and its prodrug form, sulfasalazine. It is formed in the liver, intestinal lumen, and colonic epithelial cells via N-acetyltransferases. It reduces IFN-γ binding to colonic epithelial cells by 24% when used at a concentration of 10 mM. N-acetyl-5-Aminosalicylic acid (100 μM) scavenges 2,2-diphenyl-1-picrylhydrazyl radicals in a cell-free assay and inhibits base hydroxylation in DNA stimulated by hydroxy radicals. Unlike sulfasalazine, N-acetyl-5-aminosalicylic acid does not inhibit 15-hydroxy prostaglandin dehydrogenase (PGDH). Urinary levels of N-acetyl-5-aminosalicylic acid have been used as a marker of 5-ASA adherence in patients with inflammatory bowel disease.
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Solubility Information

Solubility	DMSO: Slightly soluble Methanol: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.1025 mL	0.5124 mL	1.0247 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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