

## 5-氨基水杨酸

中文名：5-氨基水杨酸

英文名：5-Aminosalicylic acid

别名：5-AS;5-氨基-2-羟基苯甲酸;氨水杨酸;美沙拉秦;5-氨基-2-羟基苯甲酸;3-羧基-4-羟基苯胺 ;5-Amino-2-hydroxybenzoic acid;5-AS;Mesalamine;Mesalazine;5-Amino-2-hydroxybenzoic Acid

CAS 号：89-57-6

分子式：H<sub>2</sub>NC<sub>6</sub>H<sub>3</sub>-2-(OH)CO<sub>2</sub>H

分子量：153.14

Beilstein 号：2090421

EC 号：201-919-1

MDL 号：MFCD00007877

属性

溶解性：Soluble in 1 M hydrochloric acid (50 mg/ml), water (0.84 g/l at 20 ° C), alcohol, DMSO (~4 mg/ml), DMF (~1.6 mg/ml), PBS(pH=7.2) (~1.7 mg/ml), methanol, water (1.7 mg/ml at 25 ° C), and ethanol (31 mg/ml at 25 ° C). Insoluble in diethyl ether, and n-octan

敏感性：对光和空气敏感

熔点：265° C

描述

产品介绍：Mesalamine 是一种抗炎化合物。

用途：5-氨基水杨酸是一种适用于 ELISA 分析的过氧化物酶底物。该底物生成棕色的可溶性终产物，该产物可通过分光光度法在 450nm 处读取。加入 3N NaOH 可终止反应，然后在 550nm 处进行读取。

生化机理： 5-Aminosalicylic Acid, the metabolite of sulphasalazine, has been shown to inhibit PGDH (prostaglandin 15-hydroxydehydrogenase) in human placenta and bovine lung. Further studies show that this antiinflammatory compound also inhibits leukotriene formation in human leukocytes. Additionally, 5-Aminosalicylic acid demonstrates the ability to disrupt TNF  $\alpha$  (tumor necrosis factor  $\alpha$  )-stimulated NF  $\kappa$  B (nuclear factor  $\kappa$  B) activation via inhibition of the multimeric I  $\kappa$  B kinase regulating complex.

备注： Mesalamine is an anti-inflammatory compound.

存贮条件： 储存温度 2-8° C ,充氩储存

