



LKT Laboratories, Inc.

5-Aminosalicylic Acid

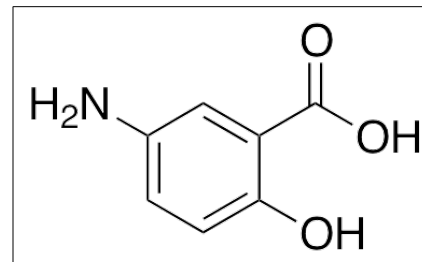
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Product Information

Product ID A5035
CAS No. 89-57-6
Chemical Name 5-amino-2-hydroxybenzoic acid

Synonym 5-ASA, Mesalamine, Asacol, Salofalk, 5-amino-2-hydroxybenzoic acid

Formula C₇H₇NO₃
Formula Wt. 153.14
Melting Point 275-280°C (dec)
Purity ≥98%
Solubility



Bulk quantities available upon request

Product ID	Size
A5035	5 g
A5035	25 g
A5035	100 g

Store Temp Ambient
Ship Temp Ambient

Description 5-Aminosalicylic acid exhibits anti-inflammatory, antioxidative, and anticancer activities; it is clinically used to treat inflammatory bowel disease (IBD), Crohn's disease, and colitis, as it acts primarily in the colon. In vitro, 5-aminosalicylic acid decreases levels of ROS, increases levels of catalase and PPAR γ , and stimulates PTEN signaling. In colorectal cancer cells, this compound decreases proliferation by inhibiting phospholipase D (PLD) activity and mTOR signaling.

References Poh J, Knowles S. Safety of 5-Aminosalicylic Acid Derivatives in Patients with Sensitivity to Acetylsalicylic Acid and Nonsteroidal Anti-inflammatory Drugs. *Can J Hosp Pharm.* 2014 Jan;67(1):35-8. PMID: 24634525.

Managlia E, Katzman RB, Brown JB, et al. Antioxidant properties of mesalamine in colitis inhibit phosphoinositide 3-kinase signaling in progenitor cells. *Inflamm Bowel Dis.* 2013 Sep;19(10):2051-60. PMID: 23867870.

Baan B, Dihal AA, Hoff E, et al. 5-Aminosalicylic acid inhibits cell cycle progression in a phospholipase D dependent manner in colorectal cancer. *Gut.* 2012 Dec;61(12):1708-15. PMID: 22187071.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.