



LKT Laboratories, Inc.

Mefenamic Acid

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Product Information

Product ID M1622

CAS No. 61-68-7

Chemical Name 2-[(2,3-Dimethylphenyl)amino]benzoic acid

Synonym Bonabol, Coslan, Lysalgo, Mefenacid, Ponstel, Tanston

Formula C₁₅H₁₅NO₂

Formula Wt. 241.29

Melting Point 230-231 °C

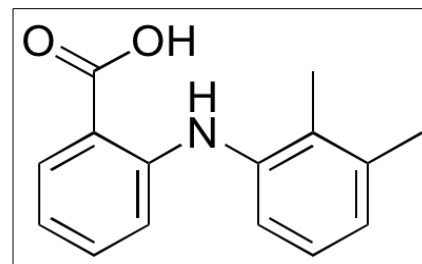
Purity ≥98%

Solubility Insoluble in water. Sparingly soluble in ether and chloroform. Soluble in alkali hydroxide solutions.

Store Temp Ambient

Ship Temp Ambient

Description Mefenamic acid is a fenamate non-steroidal anti-inflammatory drug (NSAID) that exhibits anti-inflammatory, analgesic, neuroprotective, anticancer, and neuromodulatory activities. Mefenamic acid is a non-selective inhibitor of COX-1 and COX-2 that also potentiates activity at GABA-A receptors. In animal models of cerebral ischemia, mefenamic acid decreases infarct volume, edema, and ischemic brain damage. Additionally, this compound inhibits proliferation in colon cancer cells by altering cell cycle regulators and inhibiting store-operated Ca²⁺ entry into cells.



Bulk quantities available upon request

Product ID	Size
M1622	10 g
M1622	50 g
M1622	100 g

References Khansari PS, Halliwell RF. Evidence for neuroprotection by the fenamate NSAID, mefenamic acid. *Neurochem Int.* 2009 Dec;55(7):683-8. PMID: 19563851.

Weiss H, Amberger A, Widschwendter M, et al. Inhibition of store-operated calcium entry contributes to the anti-proliferative effect of non-steroidal anti-inflammatory drugs in human colon cancer cells. *Int J Cancer.* 2001 Jun 15;92(6):877-82. PMID: 11351310.

Halliwell RF, Thomas P, Patten D, et al. Subunit-selective modulation of GABAA receptors by the non-steroidal anti-inflammatory agent, mefenamic acid. *Eur J Neurosci.* 1999 Aug;11(8):2897-905. PMID: 10457186.

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