



LKT Laboratories, Inc.

Flurbiprofen

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Product Information

Product ID F4481

CAS No. 5104-49-4

Chemical Name 2-Fluoro- α -methyl[1,1'-biphenyl]-4-acetic acid

Synonym Adfeed, Ansaid, Antadys, Cebutid, Froben, Flurofen

Formula C₁₅H₁₃FO₂

Formula Wt. 244.26

Melting Point 110-111 °C

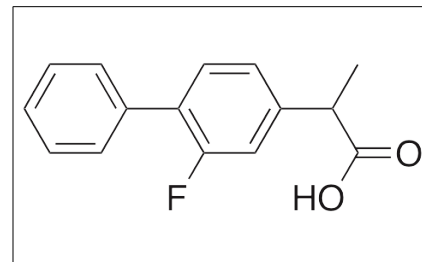
Purity ≥98%

Solubility Slightly soluble in water (8 mg/mL).

Store Temp Ambient

Ship Temp Ambient

Description Flurbiprofen is a non-steroidal anti-inflammatory drug (NSAID) that is clinically used to treat arthritis. Flurbiprofen is a non-selective inhibitor of COX-1 and COX-2 that exhibits analgesic, anti-inflammatory, neuroprotective, anti-metastatic, and anticancer chemotherapeutic activities. In vivo, flurbiprofen suppresses injury induced by cerebral ischemia/reperfusion, decreasing infarct volume, apoptosis, and neurological deficits. In cellular and animal models of gastric cancer, flurbiprofen downregulates expression of cyclin D1 and CDK4, upregulates expression of p75, and decreases cellular proliferation, metastasis, and tumor size.



Bulk quantities available upon request

Product ID	Size
F4481	1 g
F4481	5 g
F4481	25 g

References Sun B, Chen L, Wei X, et al. The Akt/GSK-3 β pathway mediates flurbiprofen-induced neuroprotection against focal cerebral ischemia/reperfusion injury in rats. *Biochem Biophys Res Commun*. 2011 Jun 17;409(4):808-13. PMID: 21624354.

Jin H, Wang Z, Liu L, et al. R-flurbiprofen reverses multidrug resistance, proliferation and metastasis in gastric cancer cells by p75(NTR) induction. *Mol Pharm*. 2010 Feb 1;7(1):156-68. PMID: 19916560.

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