



LKT Laboratories, Inc.

Acemetacin

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Product Information

Product ID A0816

CAS No. 53164-05-9

Chemical Name 1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1H-indole-3-acetic acid
carboxymethyl ester

Synonym Acemix, Emflex, Rantudil, Solart

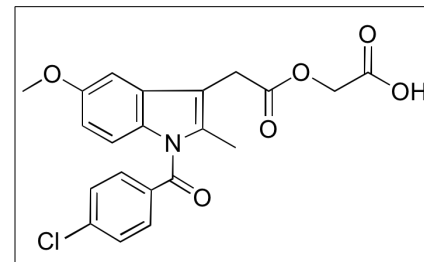
Formula C₂₁H₁₈ClNO₆

Formula Wt. 415.83

Melting Point 150-153 °C

Purity ≥98%

Solubility Soluble in DMSO.



Bulk quantities available upon request

Product ID	Size
A0816	1 g
A0816	5 g
A0816	25 g

Store Temp Ambient

Ship Temp Ambient

Description Acemetacin is a glycolic acid ester prodrug of indomethacin; it is a non-steroidal anti-inflammatory drug (NSAID) that inhibits COX-1 and COX-2, decreasing production of thromboxane B₂ (TxB₂) and prostaglandin E₂ (PGE₂). Acemetacin is clinically used to treat rheumatoid arthritis, osteoarthritis, and post-operative pain. In vitro, acemetacin also exhibits antioxidative activity, scavenging ROS and RNS.

References Chávez-Piña AE, McKnight W, Dickey M, et al. Mechanisms underlying the anti-inflammatory activity and gastric safety of acemetacin. *Br J Pharmacol.* 2007 Nov;152(6):930-8. PMID: 17876306.

Fernandes E, Costa D, Toste SA, et al. In vitro scavenging activity for reactive oxygen and nitrogen species by nonsteroidal anti-inflammatory indole, pyrrole, and oxazole derivative drugs. *Free Radic Biol Med.* 2004 Dec 1;37(11):1895-905. PMID: 15528048.

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