

Product Data Sheet

Product Name: Acemetacin

Cat. No.: GC10454

Chemical Properties

Cas. No. 53164-05-9

Chemical Name 2-[2-[1-(4-chlorobenzoyl)-5-methoxy-2-methylindol-3-yl]acetyl]oxyacetic acid

SMILES CC1=C(C2=C(N1C(=O)C3=CC=C(C=C3)Cl)C=CC(=C2)OC)CC(=O)OCC(=O)O

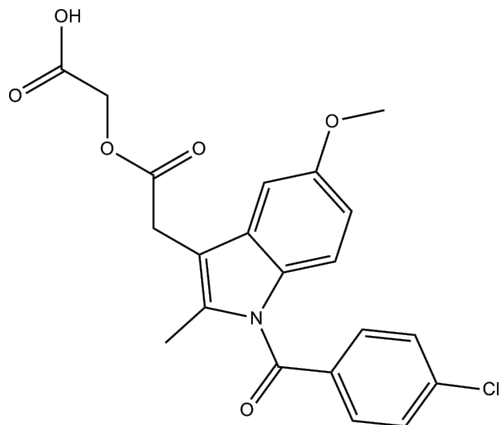
Formula $C_{21}H_{18}ClNO_6$ M.Wt 415.82

Solubility $\geq 20.791\text{mg/mL}$ in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Acemetacin (TVX 1322) is a non-steroidal anti-inflammatory drug and a glycolic acid ester of indometacin that is a cyclooxygenase inhibitor.

Acemetacin (TVX 1322) is a non-steroidal anti-inflammatory drug, used for the treatment of osteoarthritis, rheumatoid arthritis, lower back pain, and relieving post-operative pain. Acemetacin (TVX 1322), a glycolic acid ester of indometacin, acts as a prodrug; in the body, it is metabolized to

Caution: Product has not been fully validated for medical applications. For research use only.

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indometacin, which then acts as an inhibitor of cyclooxygenase, producing the anti-inflammatory effects. An advantage of Acemetacin (TVX 1322) is that it reduces gastric damage when compared to indometacin. From Wikipedia.

References:

[1]. Tavares IA, et al. Non-steroidal anti-inflammatory drugs that cause relatively little gastric damage. J Gastroenterol Hepatol. 1998 Nov;13(S3):S190-S192.

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