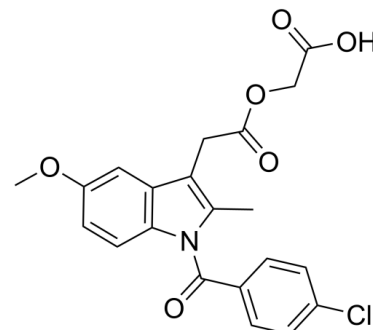


Data Sheet

Product Name:	Acemetacin
Cat. No.:	CS-2597
CAS No.:	53164-05-9
Molecular Formula:	C ₂₁ H ₁₈ ClNO ₆
Molecular Weight:	415.82
Target:	COX
Pathway:	Immunology/Inflammation
Solubility:	DMSO : 125 mg/mL (300.61 mM; Need ultrasonic); H ₂ O : < 0.1 mg/mL (insoluble)



BIOLOGICAL ACTIVITY:

Acemetacin (TVX 1322) is a non-steroidal anti-inflammatory drug and a glycolic acid ester of indometacin that is a cyclooxygenase inhibitor. IC₅₀ & Target: COX^[1]. *In Vitro*: 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 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.

CAIndexNames:

1H-Indole-3-acetic acid, 1-(4-chlorobenzoyl)-5-methoxy-2-methyl-, carboxymethyl ester

SMILES:

O=C(OCC(O)=O)CC1=C(C)N(C(C2=CC=C(Cl)C=C2)=O)C3=C1C=C(OC)C=C3

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

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA