

Product Data Sheet

Product Name: Aceclofenac

Cat. No.: GC15902

Chemical Properties

Cas. No. 89796-99-6

Chemical Name 2-(2-(2-((2,6-dichlorophenyl)amino)phenyl)acetoxy)acetic acid

SMILES ClC1=CC(=C(NC2=CC=CC=C2CC(OC(=O)O)=O)C(Cl)=CC=C1)C(=O)O

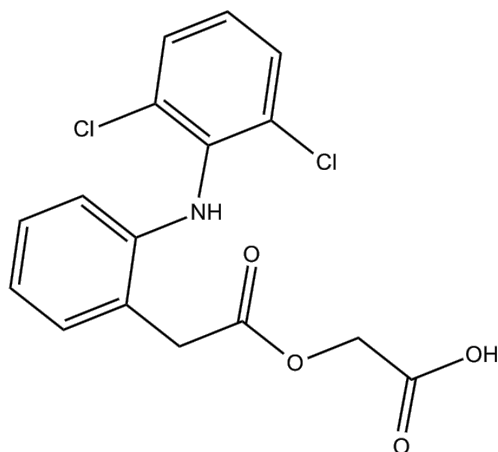
Formula $C_{16}H_{13}Cl_2NO_4$ M.Wt 354.18

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, DMSO:PBS (pH 7.2) (1:1): 0.5 mg/ml, Ethanol: 10 mg/ml
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



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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

Aceclofenac is a non-steroidal anti-inflammatory drug (NSAID) analog of Diclofenac. Target: COX
Aceclofenac is a non-steroidal anti-inflammatory drug (NSAID) analog of Diclofenac. It is used for the relief of pain and inflammation in rheumatoid arthritis, osteoarthritis and ankylosing spondylitis. Aceclofenac has higher anti-inflammatory action than conventional NSAIDs. It is a cytokine inhibitor. Aceclofenac works by blocking the action of a substance in the body called cyclo-oxygenase. Cyclo-oxygenase is involved in the production of prostaglandins (chemicals in the body) which cause pain, swelling and inflammation. Aceclofenac is the glycolic acid ester of diclofenac [1].

References:

[1]. Dannhardt G, et al. In-vitro test system for the evaluation of cyclooxygenase-1 (COX-1) and cyclooxygenase-2 (COX-2) inhibitors based on a single HPLC run with UV detection using bovine aortic coronary endothelial cells (BAECs). Inflamm Res. 2001 May;50(5):262-9.

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