

Mefenamic acid

Catalog No: tcsc2681



Available Sizes

Size: 5g

Size: 10g



Specifications

CAS No:

61-68-7

Formula:

$C_{15}H_{15}NO_2$

Pathway:

Immunology/Inflammation

Target:

COX

Purity / Grade:

>98%

Solubility:

H₂O :

Observed Molecular Weight:

241.29

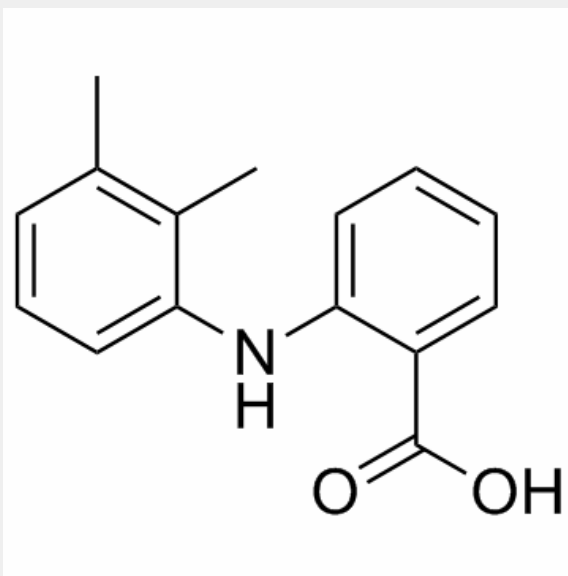
Product Description

Mefenamic acid is a non-steroidal anti-inflammatory agent, acting as a competitive inhibitor of **hCOX-1** and **hCOX-2**, with **IC₅₀**s of 40 nM and 3 μM for hCOX-1 and hCOX-2, respectively.

IC₅₀ & Target: IC₅₀: 40 nM (hCOX-1), 3 μM (hCOX-2)^[1]

In Vitro: Mefenamic acid is a non-steroidal anti-inflammatory agent, acting as a competitive inhibitor of hCOX-1, with IC₅₀s of 40 nM

and 3 μ M for hCOX-1 and hCOX-2, respectively^[1]. Mefenamic acid (0-100 μ M) has cytotoxic effects on KB, Saos-2, and 1321N cells, however, U-87MG cells are resistant to Mefenamic acid^[2].



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