

Ketoprofen

Catalog No: tcsc2175



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

22071-15-4

Formula:

$C_{16}H_{14}O_3$

Pathway:

Immunology/Inflammation

Target:

COX

Purity / Grade:

>98%

Solubility:

H₂O :

Alternative Names:

RP-19583

Observed Molecular Weight:

254.28

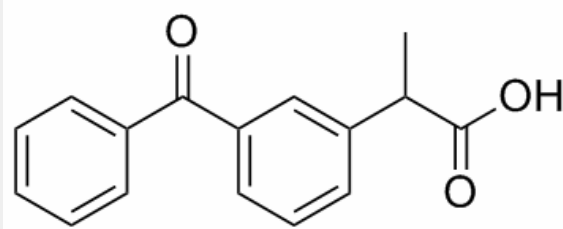
Product Description

Ketoprofen is a non-steroidal antiinflammatory agent, acting as a potent inhibitor of **COX**, with **IC₅₀**s of 2 nM and 26 nM for COX-1 and COX-2 in human blood monocytes, respectively.

IC50 & Target: IC50: 2 nM (COX-1, in human blood monocytes), 26 nM (COX-2, in human blood monocytes)^[1]

In Vitro: Ketoprofen (Compound 2) is a non-steroidal antiinflammatory agent, acting as a potent inhibitor of **COX**, with **IC₅₀**s of 2 nM and 26 nM for COX-1 and COX-2 in human blood monocytes, respectively^[1].

In Vivo: Ketoprofen (0.32-10 mg/kg, s.c) dose-dependently inhibits acid-induced depression of nesting (IC₅₀, 2.05 mg/kg), and reverses CFA-induced such depression at 0.1-10 mg/kg, with an IC₅₀ of 0.18 mg/kg in mice^[2].



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