

# Tolmetin (sodium dihydrate)

Catalog No: tcsc5160



## Available Sizes

**Size:** 100mg



## Specifications

**CAS No:**

64490-92-2

**Formula:**

$C_{15}H_{18}NNaO_5$

**Pathway:**

Immunology/Inflammation

**Target:**

COX

**Purity / Grade:**

>98%

**Solubility:**

H<sub>2</sub>O : ≥ 100 mg/mL (317.16 mM)

**Observed Molecular Weight:**

315.3

## Product Description

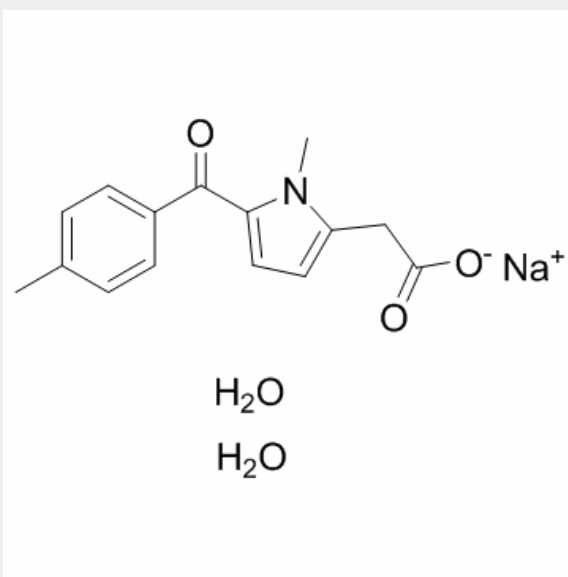
Tolmetin sodium dihydrate is a non-steroidal antiinflammatory agent, and acts as a non-selective **COX** inhibitor.

IC<sub>50</sub> & Target: COX<sup>[1]</sup>

**In Vitro:** Tolmetin sodium dihydrate is a non-steroidal antiinflammatory agent. Tolmetin (0-100 μM) shows no effect on osteoblast growth<sup>[2]</sup>. Tolmetin (0.25 mM) dose not attenuate lipid peroxidation in rat brain homogenate. Tolmetin (0.25, 0.5, 0.75, 1 mM) shows radical scavenging properties but without superoxide anion generation in rat brain homogenat<sup>[3]</sup>.

**In Vivo:** Tolmetin (100 mg/kg) causes gastric lesions, and shows maximal ulcerogenic effect 4 h after the single dose, while potently

decreases after 3 and 14 days of repeated administration. Tolmetin produces obvious endothelial damage and inflammatory cell infiltration<sup>[1]</sup>. Tolmetin (5 mg/kg, i.p., twice a day for 5 days) has no effect on n NMDA receptor binding in rats<sup>[3]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!