

T-5224

Catalog No: tcsc3190



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

530141-72-1

Formula:

$C_{29}H_{27}NO_8$

Pathway:

Metabolic Enzyme/Protease

Target:

MMP

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 31 mg/mL (59.90 mM); H₂O :

Observed Molecular Weight:

517.53

Product Description

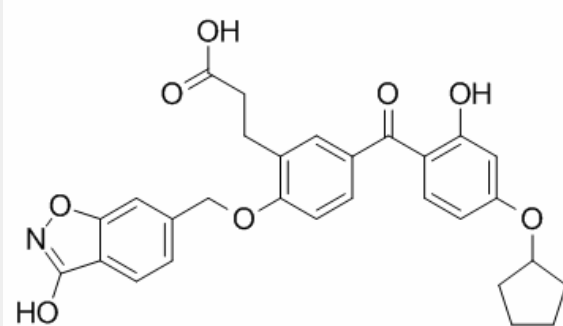
T-5224 is a selective inhibitor of **c-Fos/activator protein (AP)-1** for rheumatoid arthritis therapy, and inhibits **MMP** activity with **IC₅₀**

s of 10 nM for both MMP-3 and MMP-13.

IC50 & Target: IC50: 10 nM (MMP-3), 10 nM (MMP-13)

In Vitro: T-5224 (0-80 μ M) significantly inhibits the invasion, migration, and MMP activity of HSC-3-M3 cells in a dose-dependent manner. There is no significant influence on HSC-3-M3 and OSC-19 cells proliferation^[4].

In Vivo: G2 is observed in rat and monkey liver microsomes as a major metabolite of T-5224, suggesting that G2 is not a human-specific metabolite^[1]. T-5224 (300 mg/kg, p.o.) inhibits the production of TNF- α and other downstream effectors in C57BL/6 mice^[2]. Administration of T-5224 (300 mg/kg, p.o.) after intraperitoneal injection of LPS imparts appreciable protection against acute elevations in serum levels of TNF α , HMGB1, ALT/AST as well as in liver tissue levels of MIP-1 α and MCP-1, and reduces the lethality (27%)^[3].



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