

S 3304

Catalog No: tcsc0027075



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg



Specifications

CAS No:

203640-27-1

Formula:

$C_{24}H_{20}N_2O_4S_2$

Pathway:

Metabolic Enzyme/Protease

Target:

MMP

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 83.3 mg/mL (179.31 mM)

Observed Molecular Weight:

464.56

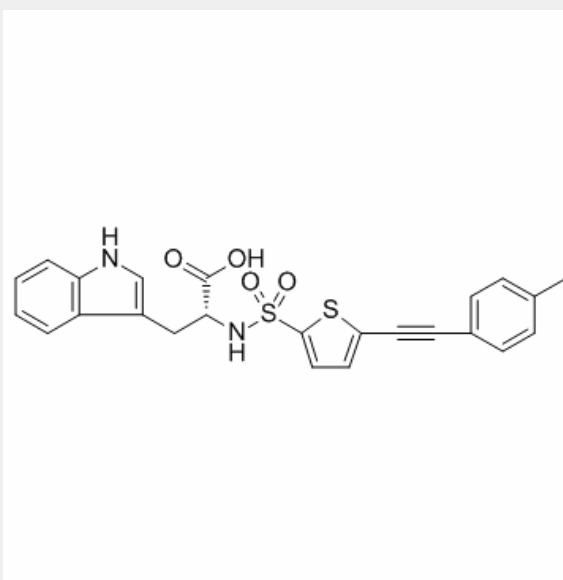
Product Description

S-3304 is a novel **matrix metalloproteinases (MMP)** inhibitor specific for **MMP-2** and **MMP-9**.

IC50 & Target: MMP-2, MMP-9^[1]

In Vitro: S 3304 is a novel D-tryptophan derivative and a potent, orally active, noncytotoxic Matrix metalloproteinases inhibitor (MMPI). Biochemical studies show that S 3304 most potently inhibits the activities of MMP-2 and MMP-9 but does not inhibit MMP-1, MMP-3, or MMP-7 and may, therefore, lack the musculoskeletal side effects seen with nonspecific inhibitors^[1].

In Vivo: *In vivo* pharmacologic studies have shown that the oral administration of S 3304, at a dose range of 20 to 200 mg/kg, inhibits angiogenesis, artificially induced in mice by the dorsal air-sac method. Similar oral doses of S 3304 result in potent inhibition of metastatic lung colonization of Lewis murine lung carcinoma injected via tail vein and liver metastasis of C-1H human colon cancer implanted into the spleen^[1].



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