



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 ₂ O ₄ S 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!