

## S 3304

**Catalog No: tcsc0027075**



### Available Sizes

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**Size:** 1mg

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg

**Size:** 50mg



### Specifications

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**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 :  $\geq 83.3$  mg/mL (179.31 mM)

**Observed Molecular Weight:**

464.56

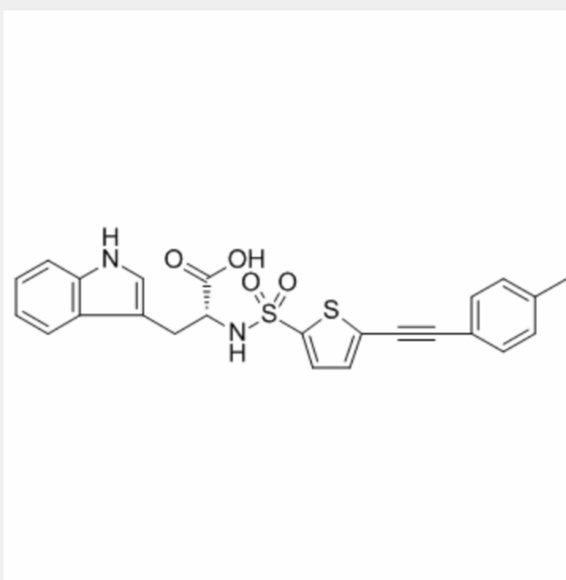
## Product Description

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

IC50 & Target: MMP-2, MMP-9<sup>[1]</sup>

**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<sup>[1]</sup>.

**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<sup>[1]</sup>.



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