

Product Name	: MMP-2/MMP-9 Inhibitor I
Synonyms	: —
Cat No.	: M33740
CAS Number	: 193807-58-8
Molecular Formula	: C ₂₁ H ₁₉ N ₄ O ₄ S
Formula Weight	: 381.44
Chemical Name	: —
Description	MMP-2/MMP-9-IN-1 is a highly selective, orally active and potent type IV collagenase (MMP-9 and MMP-2) inhibitor with IC ₅₀ s of 0.24 and 0.31 μM for MMP-9 and MMP-2, respectively. MMP-2/MMP-9-IN-1 is orally active in animal models of tumor growth and metastasis. MMP-2/MMP-9-IN-1 can be used for the research of cancer.
Pathway	: Metabolic Enzyme/Protease
Target	: MMP
Receptor	: MMP
Solubility	: In Vitro: DMSO : 50 mg/mL (131.08 mM; Ultrasonic)
SMILES	: <chem>S(N[C@H](CC1=CC=CC=C1)C(=O)O)(=O)(=O)C2=CC=C(C=C2)C3=CC=CC=C3</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Y Tamura, et al. Highly selective and orally active inhibitors of type IV collagenase (MMP-9 and MMP-2): N-sulfonylamino acid derivatives. J Med Chem. 1998 Feb 12;41(4):640-9.