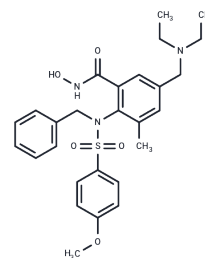


## MMP-9 Inhibitor I

## Chemical Properties

CAS No. :	206549-55-5
Formula:	C <sub>27</sub> H <sub>33</sub> N <sub>3</sub> O <sub>5</sub> S
Molecular Weight:	511.63
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	MMP-9 inhibitor I is an inhibitor of matrix metalloproteinase-9 (MMP-9) that is selective over MMP-1 and MMP-13 (IC <sub>50</sub> s = 5, 1,050, and 113 nM, respectively). It also decreases the activity of TNF- $\alpha$ converting enzyme (TACE) in a dose-dependent manner (IC <sub>50</sub> = 0.54 $\mu$ M). MMP-9 inhibitor I decreases TNF- $\alpha$ secretion stimulated by LPS in BV-2 microglial cells when used at concentrations of 50 and 100 $\mu$ M.
Targets(IC <sub>50</sub> )	MMP,Others

## Solubility Information

Solubility	DMF: 20 mg/mL (39.09 mM),Sonication is recommended. DMSO: 25 mg/mL (48.86 mM),Sonication is recommended. Ethanol: 33 mg/mL (64.5 mM),Sonication is recommended. Ethanol:PBS (pH 7.2) (1:8): 0.11 mg/mL (0.21 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9545 mL	9.7727 mL	19.5454 mL
5 mM	0.3909 mL	1.9545 mL	3.9091 mL
10 mM	0.1955 mL	0.9773 mL	1.9545 mL
50 mM	0.0391 mL	0.1955 mL	0.3909 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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