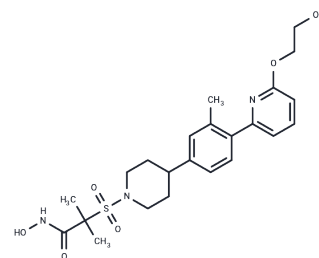


## MMP3 inhibitor 1

### Chemical Properties

|                   |                                                                 |
|-------------------|-----------------------------------------------------------------|
| CAS No. :         | 312930-75-9                                                     |
| Formula:          | C <sub>23</sub> H <sub>31</sub> N <sub>3</sub> O <sub>6</sub> S |
| Molecular Weight: | 477.57                                                          |
| Appearance:       | no data available                                               |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year        |



### Biological Description

|                            |                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Description                | MMP3 inhibitor 1 is a potent and highly selective inhibitor of MMP-3 (IC <sub>50</sub> of 1 nM).                                      |
| Targets(IC <sub>50</sub> ) | MMP                                                                                                                                   |
| In vitro                   | MMP3 inhibitor 1 is MMP-1, MMP-2, MMP-9, and MMP-14 inhibitor(IC <sub>50</sub> s of 14000, 529, 2420, and 20100 nM, respectively)[1]. |

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.0939 mL | 10.4697 mL | 20.9393 mL |
| 5 mM  | 0.4188 mL | 2.0939 mL  | 4.1879 mL  |
| 10 mM | 0.2094 mL | 1.047 mL   | 2.0939 mL  |
| 50 mM | 0.0419 mL | 0.2094 mL  | 0.4188 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.

### Reference

Whitlock GA, et al. A novel series of highly selective inhibitors of MMP-3. Bioorg Med Chem Lett. 2007 Dec 15;17 (24):6750-3.

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

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481