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**Product Data Sheet**

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Product Name: MMP3 inhibitor 1

Cat. No.: GC36635

**Chemical Properties**

Cas. No. 312930-75-9

SMILES CC1=CC(C2CCN(S(C(C)(C)C(NO)=O)(=O)=O)CC2)=CC=C1C3=NC(OCCO)=CC=C3Formula C<sub>23</sub>H<sub>31</sub>N<sub>3</sub>O<sub>6</sub>S M.Wt 477.57

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

MMP3 inhibitor 1 is a potent and highly selective MMP-3 inhibitor with an IC<sub>50</sub> of 1 nM[1].

MMP3 inhibitor 1 (Compound 27) inhibits MMP-1, MMP-2, MMP-9, and MMP-14 with IC<sub>50</sub>s of 14000, 529, 2420, and 20100 nM, respectively[1].

References:

[1]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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