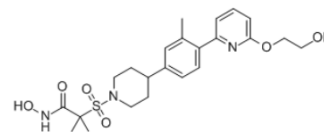


## MMP3 inhibitor 1

Cat. No.:	HY-114418
CAS No.:	312930-75-9
Molecular Formula:	C <sub>23</sub> H <sub>31</sub> N <sub>3</sub> O <sub>6</sub> S
Molecular Weight:	477.57
Target:	MMP
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	MMP3 inhibitor 1 is a potent and highly selective MMP-3 inhibitor with an IC <sub>50</sub> of 1 nM <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	MMP-3 1 nM (IC <sub>50</sub> )	MMP-2 529 nM (IC <sub>50</sub> )	MMP-9 2420 nM (IC <sub>50</sub> )	MMP-1 14000 nM (IC <sub>50</sub> )
	MMP-14 20100 nM (IC <sub>50</sub> )			
<b>In Vitro</b>	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 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.			

### 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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