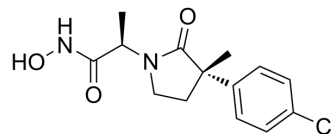


## MMP-1-IN-1

Cat. No.:	HY-152092
Molecular Formula:	C <sub>14</sub> H <sub>17</sub> ClN <sub>2</sub> O <sub>3</sub>
Molecular Weight:	296.75
Target:	MMP
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### BIOLOGICAL ACTIVITY

Description	MMP-1-IN-1 (Compound 6) is a highly potent MMP-1 inhibitor with an IC <sub>50</sub> of 0.034 μM <sup>[1]</sup> .
IC <sub>50</sub> & Target	MMP-1 0.034 μM (IC <sub>50</sub> )
In Vitro	The high inhibitory activity of MMP-1-IN-1 (Compound 6) against MMP-1 might be due to a halogen bond interaction between the Cl substituent of MMP-1-IN-1 and residue ARG214 of MMP-1 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Umedera K, et al. Design of MMP-1 inhibitors via SAR transfer and experimental validation. Sci Rep. 2022 Dec 3;12(1):20915.

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

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