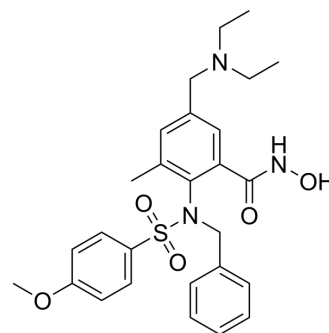


MMP-9-IN-9

Cat. No.:	HY-116302
CAS No.:	206549-55-5
Molecular Formula:	C ₂₇ H ₃₃ N ₃ O ₅ S
Molecular Weight:	511.63
Target:	MMP
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MMP-9-IN-9 (compound 4f) is a selective MMP-9 inhibitor with an IC ₅₀ of 5 nM. MMP-9-IN-9 shows selective for MMP-9 over MMP-1 and MMP-13. MMP-9-IN-9 shows strong anti-inflammatory and neuroprotective effects ^[1] .		
IC₅₀ & Target	MMP-9 5 nM (IC ₅₀)	MMP-1 1050 nM (IC ₅₀)	MMP-13 113 nM (IC ₅₀)

REFERENCES

- [1]. Eun-Jung Lee, et al. Comparison of the Effects of Matrix Metalloproteinase Inhibitors on TNF- α Release from Activated Microglia and TNF- α Converting Enzyme Activity. *Biomol Ther (Seoul)*. 2014 Sep;22(5):414-9.
- [2]. J I Levin, et al. The discovery of anthranilic acid-based MMP inhibitors. Part 2: SAR of the 5-position and P1(1) groups. *Bioorg Med Chem Lett*. 2001 Aug 20;11(16):2189-92.

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

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