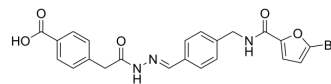


MMP13-IN-5

Cat. No.:	HY-149378
Molecular Formula:	C ₂₂ H ₁₈ BrN ₃ O ₅
Molecular Weight:	484.3
Target:	MMP
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MMP13-IN-5 (compound 13m) is a potent and selective inhibitor of MMP-2/MMP-13 (IC ₅₀ =3.6 μM/14.6 μM) involved in osteoarthritis (OA) ^[1] .
IC ₅₀ & Target	IC ₅₀ : 177 μM (MMP-1), 3.6 μM (MMP-2), 50 μM (MMP-9), 1.8 μM (MMP-13), >200 μM (MMP-14) ^[1]

REFERENCES

[1]. Cuffaro D, et al. Identification of N-Acyl Hydrazones as New Non-Zinc-Binding MMP-13 Inhibitors by Structure-Based Virtual Screening Studies and Chemical Optimization. *Int J Mol Sci.* 2023 Jul 4;24(13):11098.

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

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