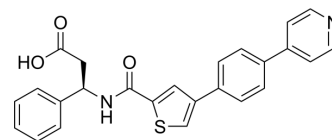


PF-00356231

Cat. No.:	HY-114091A
CAS No.:	766536-21-4
Molecular Formula:	C ₂₅ H ₂₀ N ₂ O ₃ S
Molecular Weight:	428.5
Target:	MMP
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PF-00356231 hydrochloride is a specific, non-peptidic, non-zinc chelating ligand and inhibitor of matrix metalloproteinase MMP-12 (IC ₅₀ =1.4 μM). PF-00356231 hydrochloride binds to MMP-12 and forms PF-00356231/MMP-12 complex. PF-00356231 hydrochloride shows potency against MMP-13, MMP-8, MMP-9, MMP-3 with IC ₅₀ s of 0.00065, 1.7, 0.98, 0.39 μM, respectively ^[1] .
In Vitro	PF-00356231 hydrochloride against MMP-12/13 can be affected significantly by the presence of acetohydroxamate (AH). PF-00356231 hydrochloride decreases the IC ₅₀ values of MMP-12 (0.014 μM) and MMP-13 (0.27 μM)? in the presence AH ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- J Immunol Res. 2022 Sep 16;2022:3012218.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Morales R, et al. Crystal structures of novel non-peptidic, non-zinc chelating inhibitors bound to MMP-12. J Mol Biol. 2004 Aug 20;341(4):1063-76.

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

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