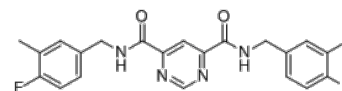


Product Name : DB04760
Cat. No. : PC-62941
CAS No. : 544678-85-5
Molecular Formula : C₂₂H₂₀F₂N₄O₂
Molecular Weight : 410.425
Target : Matrix Metalloproteinase (MMP)
Solubility : 10 mM in DMSO



Biological Activity

DB04760 is a potent, highly selective, non-zinc-chelating **MMP-13** inhibitor with IC₅₀ of 8 nM, displays high selectivity over other MMPs.

DB04760 does not interact with the catalytic zinc but bind deeply in the S1' pocket of MMP-13.

DB04760 significantly rescues axon regeneration and axon debris clearance, greatly reduces neurotoxicity associated with paclitaxel treatment in larval and adult zebrafish.

References

Engel CK, et al. *Chem Biol*. 2005 Feb;12(2):181-9.

Lisse TS, et al. *Proc Natl Acad Sci U S A*. 2016 Apr 12;113(15):E2189-98.

Waldron AL, et al. *J Diabetes Complications*. 2018 Mar;32(3):249-257.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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