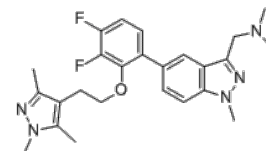


Product Name : IMP-1088
Cat. No. : PC-63579
CAS No. : 2059148-82-0
Molecular Formula : C₂₅H₂₉F₂N₅O
Molecular Weight : 453.538
Target : Rhinovirus
Solubility : 10 mM in DMSO



Biological Activity

IMP-1088 is a potent, selective human **N-myristoyltransferase** with IC₅₀ of less than 1 nM for both HsNMT1 and HsNMT2, inhibits **Rhinoviruses** (RVs) capsid myristoylation in cells.

IMP-1088 pharmacological and rapidly inhibits host-cell N-myristoylation, potently and efficiently block RV replication (IC₅₀=17 nM) without cytotoxicity.

IMP-1088 potently blocks a key step in viral capsid assembly, to deliver a low nanomolar antiviral activity against multiple RV strains, poliovirus and foot and-mouth disease virus, and protection of cells against virus-induced killing.

References

Aurélien Mousnier, et al. Fragment-derived inhibitors of human N-myristoyltransferase block capsid assembly and replication of the common cold virus. *Nature Chemistry* (2018). doi:10.1038/s41557-018-0039-2.

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

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