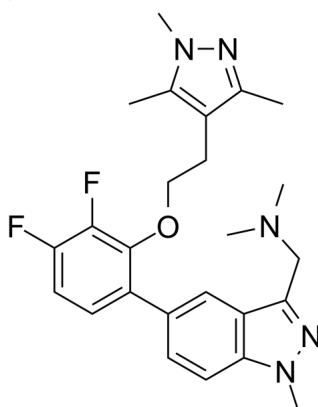


Certificate of Analysis

Catalog Number	BP13273
Product Name	IMP-1088

Physical and Chemical Properties

CAS No.	2059148-82-0
Chemical Formula	C ₂₅ H ₂₉ F ₂ N ₅ O
Molecular Weight	453.53
Solubility	DMSO: 95 mg/mL (209.47 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	IMP-1088 is a potent inhibitor of human N-myristoyltransferases NMT1 and NMT2 dual.
Targets&IC50	HsNMT2:<1 nM, HsNMT1:<1 nM

In vitro	IMP-1088 (1-1000 nM) blocks production of infectious virus and inhibits single cycle replication in primary human bronchial epithelial cells (hBEC) infected with rhinovirus RV-A1 (MOI 5) for 7 h. IMP-1088 significantly inhibits production of infectious virus even when added up to 3 hours post-infection. IMP-1088 (500 nM) inhibits production of infectious rhinovirus particles by blocking virus assembly in HeLa cells infected with rhinovirus RV-A16 (MOI 20) for 6 h.
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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