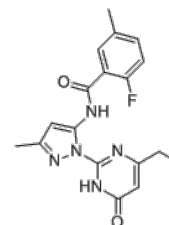


Product Name : AC1-IN-38
Cat. No. : PC-72951
CAS No. : 2762422-55-7
Molecular Formula : C₁₈H₁₈FN₅O₂
Molecular Weight : 355.373
Target : Adenylate Cyclase
Solubility : 10 mM in DMSO



Biological Activity

AC1-IN-38 is a potent, selective inhibitor of **adenylyl cyclase type 1 (AC1)** with IC₅₀ of 0.54 μ M.

AC1-IN-38 shows selectivity over a closely related isoform AC8, and no activity against AC2/5 and other common neurological targets.

AC1-IN-38 displayed modest antiallodynic effects in a mouse model of inflammatory pain.

References

Jason A. Scott, et al. *Journal of Medicinal Chemistry*. DOI: 10.1021/acs.jmedchem.1c01759

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

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