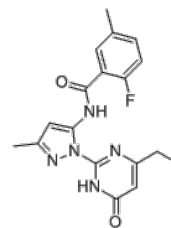


**Product Name** : AC1-IN-38  
**Cat. No.** : PC-72951  
**CAS No.** : 2762422-55-7  
**Molecular Formula** : C<sub>18</sub>H<sub>18</sub>FN<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 355.373  
**Target** : Adenylate Cyclase  
**Solubility** : 10 mM in DMSO



### Biological Activity

AC1-IN-38 is a potent, selective inhibitor of **adenylyl cyclase type 1 (AC1)** with IC<sub>50</sub> of 0.54 μM. 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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