

ATI-2341 TFA (1337878-62-2 free base)

Chemical Properties

CAS No. :

Formula: C106H179F3N26O27S2

Molecular Weight: 2370.84

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	ATI-2341 is an effective functionally selective allosteric agonist for the c-x-c chemokine receptor type 4 (CXCR4), which ACTS as a biased ligand in favor of G G G G 1 activation instead of G G G G 13. ATI-2341 activates the inhibitory heterotrimer G protein (Gi) to promote inhibition of cAMP production and induce calcium mobilization. ATI-2341 is an effective mobilization agent for myeloid polymorphonuclear neutrophils (PMNs) and hematopoietic stem and progenitor cells (HSPCs).
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Solubility Information

Solubility	DMSO: 100 mg/mL (42.18 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4218 mL	2.109 mL	4.2179 mL
5 mM	0.0844 mL	0.4218 mL	0.8436 mL
10 mM	0.0422 mL	0.2109 mL	0.4218 mL
50 mM	0.0084 mL	0.0422 mL	0.0844 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Quoyer J, et al. Pepducin targeting the C-X-C chemokine receptor type 4 acts as a biased agonist favoring activation of the inhibitory G protein. Proc Natl Acad Sci U S A. 2013 Dec 24;110(52):E5088-97.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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