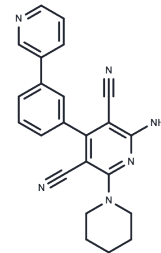


A2AR modulator-1

Chemical Properties

CAS No. :	3007566-23-3
Formula:	C23H20N6
Molecular Weight:	380.45
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	A2AR modulator-1 (Compound 45) is a selective negative allosteric modulator of the adenosine A2a receptor (A2aR), with an IC50 value of 9 nM. It reduces the affinity of endogenous adenosine for the receptor and inhibits the activation of the cAMP signaling pathway. A2AR modulator-1 effectively restores pCREB phosphorylation in CD4+ T cells, reverses immunosuppression in the tumor microenvironment, and shows potential in inhibiting tumor growth and metastasis in a triple-negative breast cancer model.
Targets(IC50)	Adenosine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6285 mL	13.1423 mL	26.2847 mL
5 mM	0.5257 mL	2.6285 mL	5.2569 mL
10 mM	0.2628 mL	1.3142 mL	2.6285 mL
50 mM	0.0526 mL	0.2628 mL	0.5257 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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