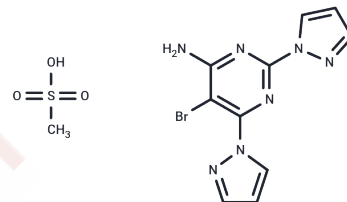


Taminadenant mesylate

Chemical Properties

CAS No. :	2253894-81-2
Formula:	C ₁₁ H ₁₂ BrN ₇ O ₃ S
Molecular Weight:	402.227
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	Taminadenant, also known as PBF-509 and NIR-178, is a potent and orally active adenosine A2A receptor antagonist with potential antineoplastic activity. PBF-509 selectively binds to and inhibits A2AR expressed on T lymphocytes. This abrogates the adenosine/A2AR-mediated inhibition of T-lymphocytes and activates a T-cell-mediated immune response against tumor cells, thereby reducing proliferation of susceptible tumor cells. A2AR, a G protein-coupled receptor, is highly expressed on the cell surfaces of T-cells and, upon activation by adenosine, inhibits their proliferation and activation. Adenosine is often produced in excess by cancer cells.
Targets(IC50)	Others, Adenosine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4861 mL	12.4307 mL	24.8614 mL
5 mM	0.4972 mL	2.4861 mL	4.9723 mL
10 mM	0.2486 mL	1.2431 mL	2.4861 mL
50 mM	0.0497 mL	0.2486 mL	0.4972 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481