

ATL-801

Chemical Properties

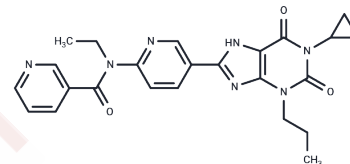
CAS No. : 1000005-71-9

Formula: C₂₄H₂₅N₇O₃

Molecular Weight: 459.5

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	ATL-801 is anselective antagonist of A2B receptor with herapeutic activity for colitis.
Targets(IC50)	Others,Adenosine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1763 mL	10.8814 mL	21.7628 mL
5 mM	0.4353 mL	2.1763 mL	4.3526 mL
10 mM	0.2176 mL	1.0881 mL	2.1763 mL
50 mM	0.0435 mL	0.2176 mL	0.4353 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

Kolachala V, Ruble B, Vijay-Kumar M, Wang L, Mwangi S, Figler H, Figler R, Srinivasan S, Gewirtz A, Linden J, Merlin D, Sitaraman S. Blockade of adenosine A2B receptors ameliorates murine colitis. *Br J Pharmacol.* 2008 Sep;155(1):127-37. doi: 10.1038/bjp.2008.227. Epub 2008 Jun 9. PubMed PMID: 18536750; PubMed Central PMCID: PMC2440087.

Tian Y, Piras BA, Kron IL, French BA, Yang Z. Adenosine 2B Receptor Activation Reduces Myocardial Reperfusion Injury by Promoting Anti-Inflammatory Macrophages Differentiation via PI3K/Akt Pathway. *Oxid Med Cell Longev.* 2015;2015:585297. doi: 10.1155/2015/585297. Epub 2015 Jun 16. PubMed PMID: 26161239; PubMed Central PMCID: PMC4486757.

Maas JE, Wan TC, Figler RA, Gross GJ, Auchampach JA. Evidence that the acute phase of ischemic preconditioning does not require signaling by the A 2B adenosine receptor. *J Mol Cell Cardiol.* 2010 Nov;49(5):886-93. doi: 10.1016/j.yjmcc.2010.08.015. Epub 2010 Aug 24. PubMed PMID: 20797398; PubMed Central PMCID: PMC2958103.

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