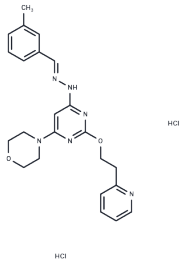
Data Sheet (Cat.No.T68485)

TargetMol

Apilimod 2HCl

Chemical Properties



CAS No. : 870087-37-9

Formula: C23H28Cl2N6O2

Molecular Weight: 491.41

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	Apilimod 2HCl (STA 5326 2HCl) is a PIKFYVE kinase inhibitor that promotes NLRP3 inflammatory vesicle activation, IL-1β secretion, and cellular pyroptosis, and is used in the study of amyotrophic lateral sclerosis.
Targets(IC50)	NOD-like Receptor (NLR),Pyroptosis,IL Receptor,PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.035 mL	10.1748 mL	20.3496 mL
5 mM	0.407 mL	2.035 mL	4.0699 mL
10 mM	0.2035 mL	1.0175 mL	2.035 mL
50 mM	0.0407 mL	0.2035 mL	0.407 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

Baranov MV, et al. The PIKfyve Inhibitor Apilimod: A Double-Edged Sword against COVID-19. Cells. 2020 Dec 27;10 (1):30.

Diego Sbrissa, et, al.Apilimod, a candidate anticancer therapeutic, arrests not only PtdIns(3,5)P2 but also PtdIns5P synthesis by PIKfyve and induces bafilomycin A1-reversible aberrant endomembrane dilation.PLoS One. 2018; 13 (9): e0204532.

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