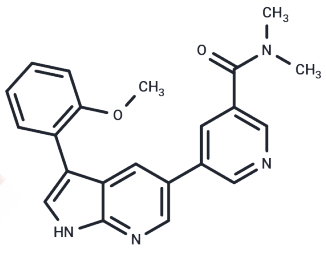
Data Sheet (Cat.No.T23182)

PPY A

Chemical Properties



CAS No. : 875634-01-8

Formula: C22H20N4O2

Molecular Weight: 372.42

Storage: Store at low temperature,Keep away from direct sunlight
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	PPY A is a potent inhibitor of T315l mutant and wild-type Abl kinase (IC50 of 9 and 20 nM, respectively).PPY A also inhibits the growth of Bcr-Abl T315l mutant or wild-type Bcr-Abl genetically transformed cells.
Targets(IC50)	Bcr-Abl

Solubility Information

Solubility	DMSO: 10 mg/mL (26.85 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6851 mL	13.4257 mL	26.8514 mL
5 mM	0.537 mL	2.6851 mL	5.3703 mL
10 mM	0.2685 mL	1.3426 mL	2.6851 mL
50 mM	0.0537 mL	0.2685 mL	0.537 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

Tianjun Zhou, et al. Crystal structure of the T315I mutant of Abl kinase. Chem Biol Drug Des. 2007 Sep;70(3):171-81.

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