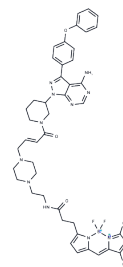


PCI-33380

Chemical Properties

CAS No. : 1022899-36-0
 Formula: C₄₆H₅₂BF₂N₁₁O₃
 Molecular Weight: 855.8
 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	PCI-33380 is an irreversible inhibitor of Bruton's Tyrosine Kinase.
Targets(IC50)	BTK

Solubility Information

Solubility	DMSO: 50 mg/mL (58.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2.5 mg/mL (2.92 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1685 mL	5.8425 mL	11.685 mL
5 mM	0.2337 mL	1.1685 mL	2.337 mL
10 mM	0.1168 mL	0.5842 mL	1.1685 mL
50 mM	0.0234 mL	0.1168 mL	0.2337 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

Zuo Y, et al. A novel 2,5-diaminopyrimidine-based affinity probe for Bruton's tyrosine kinase. Sci Rep. 2015 Nov 4; 5:16136.

Honigberg LA, et al. The Bruton tyrosine kinase inhibitor PCI-32765 blocks B-cell activation and is efficacious in models of autoimmune disease and B-cell malignancy. Proc Natl Acad Sci U S A. 2010 Jul 20;107(29):13075-80.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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