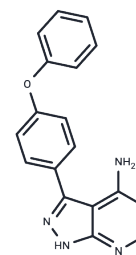


Ibrutinib deacryloylpiperidine

Chemical Properties

CAS No. :	330786-24-8
Formula:	C ₁₇ H ₁₃ N ₅ O
Molecular Weight:	303.32
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	Ibrutinib deacryloylpiperidine (IBT4A) is a highly selective Bruton's tyrosine kinase (BTK) irreversible inhibitor with an IC ₅₀ of 0.5 nM.
Targets(IC ₅₀)	BTK

Solubility Information

Solubility	DMSO: 10 mg/mL (32.97 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2968 mL	16.4842 mL	32.9685 mL
5 mM	0.6594 mL	3.2968 mL	6.5937 mL
10 mM	0.3297 mL	1.6484 mL	3.2968 mL
50 mM	0.0659 mL	0.3297 mL	0.6594 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

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.
Somana Siva Prasad, et al. A QUALITY BY DESIGN APPROACH FOR DEVELOPMENT OF SIMPLE AND ROBUST REVERSED PHASE STABILITY INDICATING HPLC METHOD FOR ESTIMATION OF IBRUTINIB AND ITS IMPURITIES.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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