

PCI 29732

Catalog No: tcsc2275



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

330786-25-9

Formula:

$C_{22}H_{21}N_5O$

Pathway:

Protein Tyrosine Kinase/RTK

Target:

Btk

Purity / Grade:

>98%

Solubility:

DMSO : \geq 53 mg/mL (142.69 mM)

Observed Molecular Weight:

371.44

Product Description

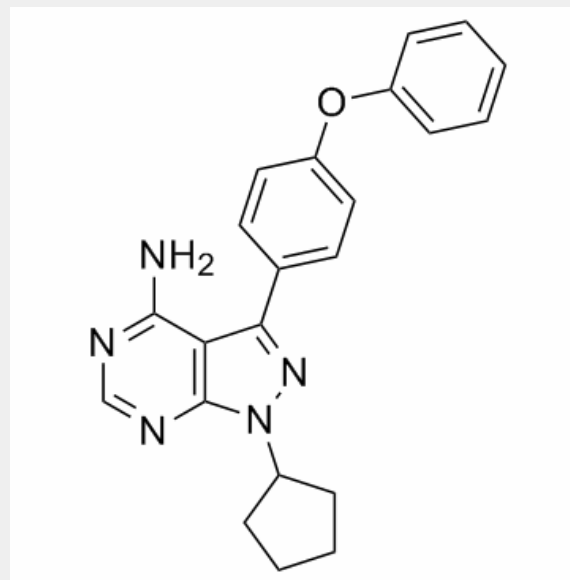
PCI 29732 is a selective and irreversible Btk inhibitor with IC50 of 8.2 nM in a FRET based biochemical enzymology assay.

IC50 value: 8.2 nM [1]

Target: Btk kinase

PCI 29732(compound 1) has a 8.2 nM potency against Btk in a FRET based biochemical enzymology assay. PCI 29732 shows only modest inhibitory activity against Itk, another Tec family kinase, probably due to the difference at the “gatekeeper” residue [1].

In human CD20+ B cells stimulated at the BCR, PCI-29732 blocked the transcriptional up-regulation of a panel of B-cell activation genes that occurs within 6 h of stimulation. Pulse exposure to the reversible inhibitor PCI-29732 did not result in BCR inhibition [2].



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