Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

QL47

Catalog No: tcsc2151

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Specifications

CAS No:
1469988-75-7

Formula:
$C_{27}H_{21}N_5O_2$

Pathway:
Protein Tyrosine Kinase/RTK

Target:
Btk

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Alternative Names:
BTK Inhibitor

Observed Molecular Weight:
447.49

Product Description

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QL47 is a potent, selective and irreversible BTK kinase inhibitor with IC50 of 7 nM.

IC50 Value: 7 nM

Target: Btk

in vitro: QL47 inhibits BTK kinase activity with an IC50 of 7 nM, inhibits autophosphorylation of BTK on Tyr223 in cells with an EC50 of 475 nM and inhibits phosphorylation of a downstream effector PLCγ2 (Tyr759) with an EC50 of 318 nM. In Ramos cells QL47 induces a G1 cell cycle arrest which is associated with pronounced degradation of BTK protein. QL47 inhibits the proliferation of B-cell lymphoma cancer cell lines at submicromolar concentrations [1].

in vivo: N/A