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

CCT129202

Catalog No: tcsc0206

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
942947-93-5

Formula:
$C_{23}H_{25}ClN_8OS$

Pathway:
Cell Cycle/DNA Damage;Epigenetics

Target:
Aurora Kinase;Aurora Kinase

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Observed Molecular Weight:
497.02

Product Description

CCT 137690 is an **aurora** kinase inhibitor with **IC_{50}**s of 42, 198, and 227 nM for aurora A, B and C, respectively.

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IC50 & Target: IC50: 142 nM (Aurora A), 198 nM (Aurora B), 227 nM (Aurora C)[1]

Ki: 49.8 nM (Aurora A)[1]

In Vitro: CCT129202 causes the accumulation of human tumor cells with z4N DNA content, leading to apoptosis. CCT129202 is found to induce apoptosis with GI_{50} values that ranges between 0.08 and 1.7 μM. CCT120202-treated human tumor cells shows a delay in mitosis, abrogation of nocodazole-induced mitotic arrest, and spindle defects. CCT129202 Causes p21Up-regulation, Rb Hypophosphorylation, and H2F-DependentTK1Down-regulation[1].

In Vivo: Growth of HCT116 xenografts in nude mice is inhibited after i.p. administration of CCT129202. p21, the cyclin-dependent kinase inhibitor, is induced by CCT129202. Up-regulation of p21 by CCT129202 in HCT116 cells led to Rb hypophosphorylation and E2F inhibition, contributing to a decrease in thymidine kinase 1 transcription[1].