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

BMS-265246

Catalog No: tcsc0922

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
582315-72-8

Formula:
$C_{18}H_{17}F_2N_3O_2$

Pathway:
Cell Cycle/DNA Damage

Target:
CDK

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Observed Molecular Weight:
345.34

Product Description

BMS-265246 is a potent and selective CDK1/2 inhibitor for CDK1/cyclin B and CDK2/cyclin E with IC50 of 6 nM and 9 nM, respectively.

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

IC50 Value: 6 nM(for CDK1/cyclin B); 9 nM(for CDK2/cyclin E)

Target: CDK1/2

in vitro: BMS-265246 inhibits the activity of Cdk4/cycD (IC50 = 0.23 μM) and prevents A2780 Cytox with IC50 of 0.76 μM. BMS-265246 when bound to Cdk2, shows the inhibitor resides within the ATP purine binding site and forms important H-bonds with Leu83 on the protein backbone. BMS-265246 represents the most potent Cdk/Cdk2 selective analogue from this chemotype. A recent study shows that BMS-265246 inhibits cell proliferation with EC50 ranging from 0.293 μM-0.492 μM in HCT-116 cells. After treatment of BMS-265246, the dominant cell populations are G2-arrested cells having 4N DNA content, large round nuclei, and low DNA intensity.

in vivo: