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

NVP-BAG956

Catalog No: tcsc0582

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Specifications

CAS No:
853910-02-8

Formula:
$C_{28}H_{21}N_5$

Pathway:
PI3K/Akt/mTOR

Target:
PI3K

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Alternative Names:
BAG 956

Observed Molecular Weight:
427.5

Product Description

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NVP-BAG956 is an ATP-competitive **PI3K** inhibitor with **IC50**s of 34, 56, 112 and 444 nM for PI3Kδ, PI3Kα, PI3Kγ and PI3Kβ, respectively.

IC50 & Target: IC50: 34 nM (PI3Kδ), 56 nM (PI3Kα), 112 nM (PI3Kγ), 444 nM (PI3Kβ), 240/260 nM (PDK1)[1]

In Vitro: NVP-BAG956 also inhibits PDK1 with an IC_{50} of 240/260 nM. NVP-BAG956 also inhibits VEGFR1 with an IC_{50} of 2.56±0.56 μM. NVP-BAG956 blocks phosphorylation of PKB/Akt in A2058 cells with an IC_{50} value of 67±25 nM. Inhibition of PKB/Akt phosphorylation correlated with loss of A2058 cell proliferation for NVP-BAG956 (IC_{50}=290±20 nM). In the presence of NVP-BAG956, A2058 cells are only able to exit G2-M and then remain in G1. The p27 ^{Kip1} expression is clearly induced by NVP-BAG956 in A2058 cells but not in C32 cells[1].