

# 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:**

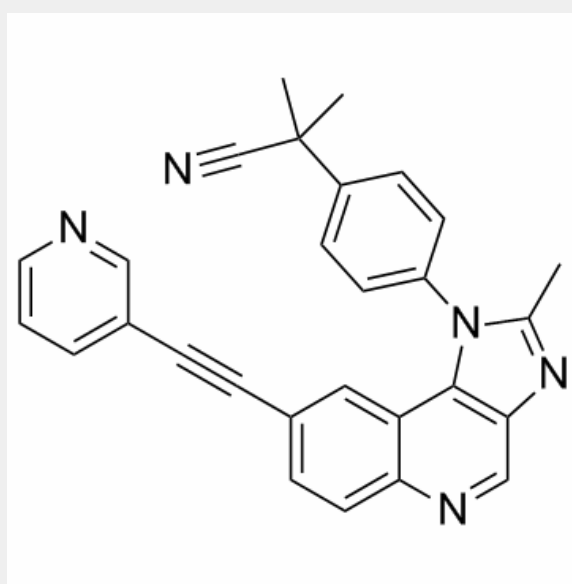
427.5

## Product Description

NVP-BAG956 is an ATP-competitive **PI3K** inhibitor with **IC50s** of 34, 56, 112 and 444 nM for PI3K $\delta$ , PI3K $\alpha$ , PI3K $\gamma$  and PI3K $\beta$ , respectively.

IC50 & Target: IC50: 34 nM (PI3K $\delta$ ), 56 nM (PI3K $\alpha$ ), 112 nM (PI3K $\gamma$ ), 444 nM (PI3K $\beta$ ), 240/260 nM (PDK1)<sup>[1]</sup>

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



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!