

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:

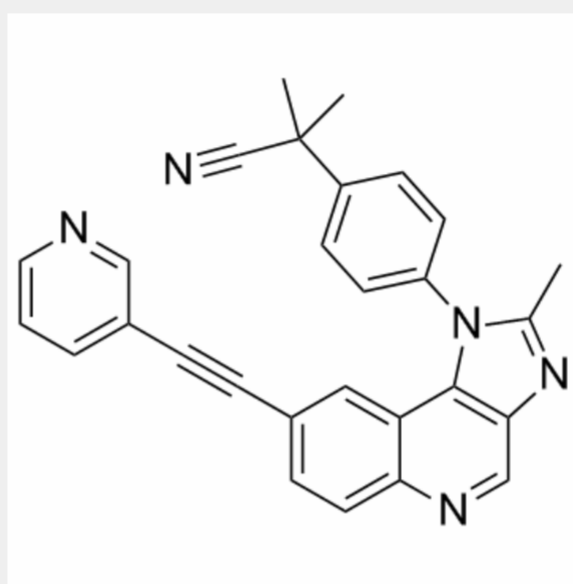
427.5

Product Description

NVP-BAG956 is an ATP-competitive **PI3K** inhibitor with **IC50s** of 34, 56, 112 and 444 nM for PI3K δ , PI3K α , PI3K γ and PI3K β , respectively.

IC50 & Target: IC50: 34 nM (PI3K δ), 56 nM (PI3K α), 112 nM (PI3K γ), 444 nM (PI3K β), 240/260 nM (PDK1)^[1]

In Vitro: NVP-BAG956 also inhibits PDK1 with an IC₅₀ of 240/260 nM. NVP-BAG956 also inhibits VEGFR1 with an IC₅₀ of 2.56 \pm 0.56 μ M. NVP-BAG956 blocks phosphorylation of PKB/Akt in A2058 cells with an IC₅₀ value of 67 \pm 25 nM. Inhibition of PKB/Akt phosphorylation correlated with loss of A2058 cell proliferation for NVP-BAG956 (IC₅₀=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^{Kip1} expression is clearly induced by NVP-BAG956 in A2058 cells but not in C32 cells^[1].



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