



Data Sheet

Research Use Only

Compound Name

NVP-BEZ235

Catalog Number

SM69

Activity

NVP-BEZ235 is a PI 3-kinase (PI3K) tyrosine kinase inhibitor and shows dual PI3K/mTOR inhibition. NVP-BEZ235 also inhibits ATR. It has been shown to be poor inhibitory to Akt and PDK1.

Purity

>99%

Formula

C₃₀H₂₃N₅O

Solubility

DMSO

Alternative Names

BEZ235, Dactolisib, 2-methyl-2-(4-(3-methyl-2-oxo-8-(quinolin-3-yl)-2,3-dihydroimidazo[4,5-c]quinolin-1-yl)phenyl)propanenitrile

Effect

NVP-BEZ235 shows high target specificity and demonstrates antiproliferative activity against tumor cell lines in animal models of cancer.

CAS

915019-65-7

Molecular Weight

469.54

Stability

Stable at -20°C. Keep away from direct sunlight.

References

1. Lyssiotis, CA., et al. 2011. *Angew Chem Int Ed Engl.* 50(1): 200-242. PMID: 21184400
2. Wang, WJ., et al. 2013. *Acta Pharmacol Sin.* 34(5): 681-690. PMID: 23603977