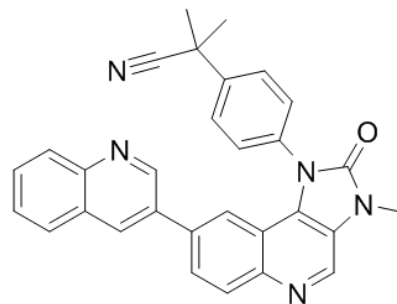


Product Name : Dactolisib
Cat. No. : PC-45837
CAS No. : 915019-65-7
Molecular Formula : C₃₀H₂₃N₅O
Molecular Weight : 469.5365
Target : PI3K
Solubility : DMSO: 8.75 mg/mL



Biological Activity

Dactolisib (NVP-BEZ235) is a potent, dual ATP-competitive pan-class I **PI3K** and **mTOR** inhibitor for p110 α / γ / δ / β and mTOR(p70S6K) with IC₅₀ of 4 nM /5 nM /7 nM /75 nM /6 nM, respectively.

Dactolisib (NVP-BEZ235) effectively and specifically blocks the dysfunctional activation of the PI3K pathway, inducing G(1) arrest; demonstrates antitumor activity in in vivo models of human cancer.

References

Maira SM, et al. *Mol Cancer Ther.* 2008 Jul;7(7):1851-63.

Serra V, et al. *Cancer Res.* 2008 Oct 1;68(19):8022-30.

Schnell CR, et al. *Cancer Res.* 2008 Aug 15;68(16):6598-607.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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