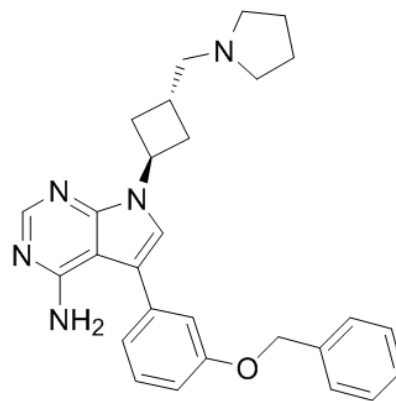


Product Name : NVP-ADW742
Cat. No. : PC-42487
CAS No. : 475488-23-4
Molecular Formula : C₂₈H₃₁N₅O
Molecular Weight : 453.5786
Target : IGF-1R
Solubility : 10 mM in DMSO



Biological Activity

NVP-ADW742 is a selective **IGF-1R** kinase inhibitor that with IC₅₀ of 0.17 μ M in cellular autophosphorylation assays. NVP-ADW742 has >16-fold more potent inhibitory effect against IGF-1R than InsR. NVP-ADW742 has no activity for HER2, PDGFR, VEGFR-2, Bcr-Abl p210, and c-Kit. NVP-ADW742 has in vitro activity against diverse tumor cell types (particularly multiple myeloma) and significant antitumor activity in an orthotopic xenograft MM model.

References

- Mitsiades CS, et al. *Cancer Cell*. 2004 Mar;5(3):221-30.
Warshamana-Greene GS, et al. *Mol Cancer Ther*. 2004 May;3(5):527-35.
Warshamana-Greene GS, et al. *Clin Cancer Res*. 2005 Feb 15;11(4):1563-71.

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

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