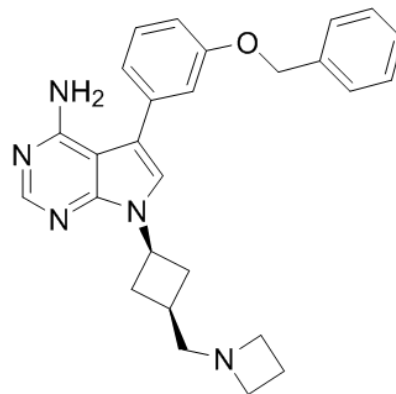


Product Name : NVP-AEW541
Cat. No. : PC-45879
CAS No. : 475489-16-8
Molecular Formula : C₂₇H₂₉N₅O
Molecular Weight : 439.5521
Target : IGF-1R
Solubility : DMSO: ≥ 51 mg/mL



Biological Activity

NVP-AEW541 (AEW-541, AEW541) is a potent, and selective inhibitor of **IGF-1R** with IC₅₀ of 86 nM.

NVP-AEW541 shows weak activity for closely related InsR (IC₅₀=2.3 μM).

NVP-AEW541 inhibits IGF-1R autophosphorylation and abrogates IGF-I-mediated survival and colony formation in soft agar.

NVP-AEW541 inhibits IGF-1R signaling in tumor xenografts and significantly reduces the growth of IGF-1R-driven fibrosarcomas in vivo; orally bioavailable.

References

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Scotlandi K, et al. *Cancer Res*. 2005 May 1;65(9):3868-76.

Tanno B, et al. *Clin Cancer Res*. 2006 Nov 15;12(22):6772-80.

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

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