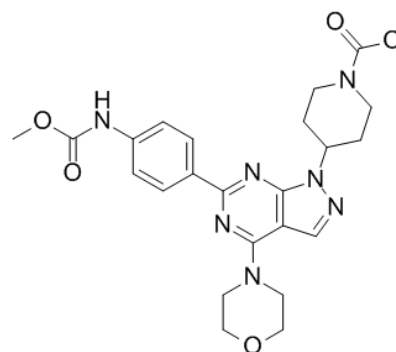


Product Name : WYE-354
Cat. No. : PC-42848
CAS No. : 1062169-56-5
Molecular Formula : C₂₄H₂₉N₇O₅
Molecular Weight : 495.5309
Target : mTOR
Solubility : DMSO: ≥ 26 mg/mL



Biological Activity

WYE-354 is a potent, selective and ATP-competitive inhibitor of **mTOR** with IC₅₀ of 5 nM (recombinant mTOR), displays >100-fold selectivity over PI3K isoforms.

WYE-354 acutely blocks substrate phosphorylation by mTORC1 and mTORC2 in vitro and in cells in response to growth factor, amino acids, and hyperactive PI3K/AKT.

WYE-354 reduces AKT downstream function and inhibits proliferation of diverse cancer cell lines.

WYE-354 inhibits mTORC1 and mTORC2 and displayed robust antitumor activity in PTEN-null tumors.

References

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Weber H, et al. *Oncotarget.* 2015 Oct 13;6(31):31877-88.

Liu Q, et al. *J Biol Chem.* 2012 Mar 23;287(13):9742-52.

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

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