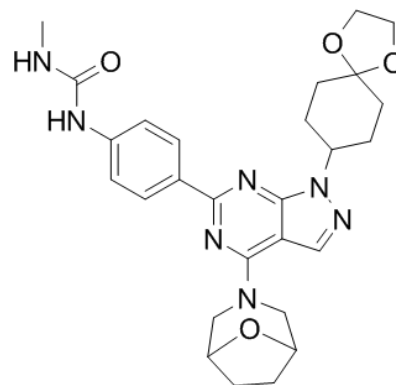


Product Name : WYE-125132
Cat. No. : PC-42157
CAS No. : 1144068-46-1
Molecular Formula : C₂₇H₃₃N₇O₄
Molecular Weight : 519.5954
Target : mTOR
Solubility : DMSO: ≥ 62 mg/mL



Biological Activity

WYE-125132 (WYE-132) is a potent, specific, ATP-competitive and orally active **mTOR** inhibitor with IC₅₀ of 0.19 nM. WYE-125132 displays high selectivity (>5,000-fold) over PI3Ks, the PI3K-related kinases hSMG1 and ATR, and a panel of 230 protein kinases.

WYE-125132 inhibits mTORC1-dependent phosphorylation of S6K(T389) and mTORC2-dependent phosphorylation of AKT(S473), inhibits cancer cell proliferation, cell cycle progression, and induces apoptosis.

WYE-125132 shows potent single-agent antitumor activity against multiple cancer models.

References

Yu K, et al. *Cancer Res.* 2010 Jan 15;70(2):621-31.

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

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