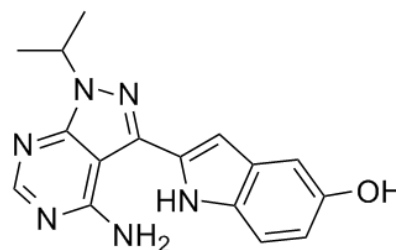


Product Name : PP 242
Cat. No. : PC-42608
CAS No. : 1092351-67-1
Molecular Formula : C₁₆H₁₆N₆O
Molecular Weight : 308.3378
Target : mTOR
Solubility : 10 mM in DMSO



Biological Activity

Torkinib (PP242) is a potent, specific active-site inhibitor of **mTOR** with IC₅₀ of 30 and 58 nM for **mTORC1** and **mTORC2**, respectively.

Torkinib (PP242) shows no activity against PKC-β, RET, or JAK2 but inhibits PKC-α (IC₅₀=50 nM).

Torkinib (PP242) blocks the phosphorylation of Akt at S473 and prevents its full activation, inhibits proliferation of primary cells more completely than rapamycin.

References

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Feldman ME, et al. *PLoS Biol*. 2009 Feb 10;7(2):e38.

Hoang B, et al. *J Biol Chem*. 2012 Jun 22;287(26):21796-805.

Hsieh AC, et al. *Cancer Cell*. 2010 Mar 16;17(3):249-61.

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

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