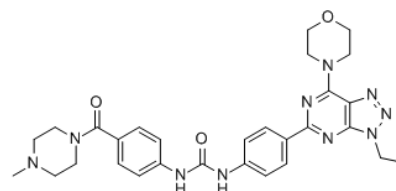


Product Name : PKI-402
Cat. No. : PC-42695
CAS No. : 1173204-81-3
Molecular Formula : C₂₉H₃₄N₁₀O₃
Molecular Weight : 570.6454
Target : PI3K
Solubility : DMSO: < 1 mg/mL



Biological Activity

PKI-402 is a potent dual **PI3K/mTOR** inhibitor with IC₅₀ of 1/7/16/14/1.7 nM for PI3K $\alpha/\beta/\gamma/\delta$ /mTOR respectively. PKI-402 shows excellent suppression of Akt T308 phosphorylation (IC₅₀=5 nM), and excellent inhibition of cell proliferation in several human cancer cell lines. PKI-402 shows excellent in vivo efficacy in various human cancer xenografts, good physical properties and PK parameters.

References

- Dehnhardt CM, et al. *J Med Chem.* 2010 Jan 28;53(2):798-810.
Mallon R, et al. *Mol Cancer Ther.* 2010 Apr;9(4):976-84.

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

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