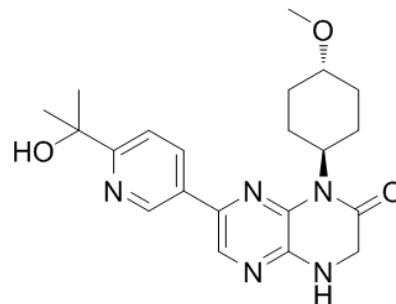


Product Name : CC-223
Cat. No. : PC-45098
CAS No. : 1228013-30-6
Molecular Formula : C₂₁H₂₇N₅O₃
Molecular Weight : 397.4708
Target : mTOR
Solubility : DMSO: ≥ 27 mg/mL



Biological Activity

A potent, selective, and orally bioavailable inhibitor of mTOR kinase with IC₅₀ of 16 nM; displays >200-fold selectivity over the related PI3K- α (IC₅₀=4.0 μ M), shows no significant inhibition of ATR or SMG1 and weakly inhibits DNA-PK (IC₅₀=0.84 μ M); inhibits mTORC1 (pS6RP and p4EBP1) and mTORC2 [pAKT(S473)] in cellular systems, exhibits growth inhibitory activity in hematologic and solid tumor cell lines; demonstrates tumor growth inhibition in multiple solid tumor xenografts.

Blood Cancer
Phase 2 Clinical

References

- Mortensen DS, et al. J Med Chem. 2015 Jul 9;58(13):5323-33.
Mortensen DS, et al. Mol Cancer Ther. 2015 Jun;14(6):1295-305.
Bendell JC, et al. Cancer. 2015 Oct 1;121(19):3481-90.

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

E-mail: tech@probechem.com