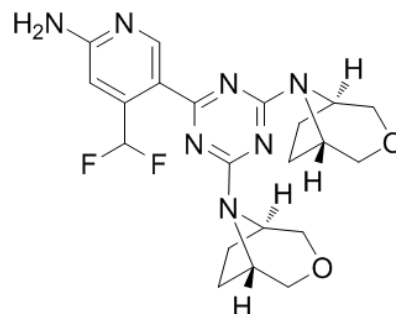


Product Name : PQR-620
Cat. No. : PC-42038
CAS No. : 1927857-56-4
Molecular Formula : C₂₁H₂₅F₂N₇O₂
Molecular Weight : 445.4657
Target : mTOR
Solubility : DMSO: 6.4 mg/mL (Need warming)



Biological Activity

PQR-620 (PQR620) is a potent and selective, brain penetrant inhibitor of **mTORC1/2**, displays >1000-fold selectivity towards mTOR over PI3K α in enzymatic binding assays.

PQR620 demonstrates inhibition of protein kinase B (pSer473) and ribosomal protein S6 (pSer235/236) phosphorylation with IC₅₀ of 0.2 μ M and 0.1 μ M, respectively.

PQR620 shows anti-tumor effects in vitro and in vivo.

References

Florent Beaufils, et al. *Cancer Res*, Abstract 1336 DOI: 10.1158/1538-7445.AM2016-1336 Published July 2016

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

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