

Product Name : PQR-620

Synonyms : PQR620

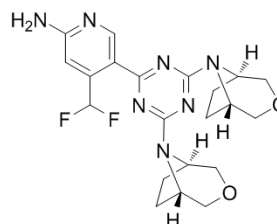
Cat No. : M13021

CAS Number : 1927857-56-4

Molecular Formula : C₂₁H₂₅F₂N₇O₂

Formula Weight : 445.47

Chemical Name : 5-(4,6-di((1R,5S)-3-oxa-8-azabicyclo[3.2.1]octan-8-yl)-1,3,5-triazin-2-yl)-4-(difluoromethyl)pyridin-2-amine



Description : PQR-620 (PQR620) is a novel potent and selective, brain penetrant inhibitor of mTORC1/2; displays >1000-fold selectivity towards mTOR over PI3Kα in enzymatic binding assays; demonstrates inhibition of protein kinase B (pSer473) and ribosomal protein S6 (pSer235/236) phosphorylation with IC₅₀ of 0.2 μM and 0.1 μM, respectively; shows anti-tumor effects in vitro and in vivo.

Pathway : PI3K/Akt/mTOR signaling

Target : mTOR

Receptor : mTOR

Solubility : DMSO: 6.4 mg/mL (Need warming)

SMILES : NC1=NC=C(C2=NC(N3C4COCC3CC4)=NC(N5C6COCC5CC6)=N2)C(C(F)F)=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

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