

Product Name : Miransertib

Synonyms : ARQ-092

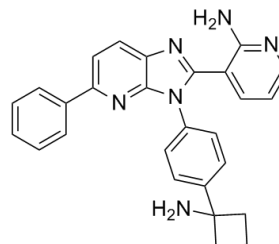
Cat No. : M11258

CAS Number : 1313881-70-7

Molecular Formula : C₂₇H₂₄N₆

Formula Weight : 432.52

Chemical Name : 2-Pyridinamine, 3-[3-[4-(1-aminocyclobutyl)phenyl]-5-phenyl-3H-imidazo[4,5-b]pyridin-2-yl]-



Description : Miransertib (ARQ-092) is a potent, selective and allosteric inhibitor of Akt1/2/3 with IC₅₀ of 5/4.5/16 nM respectively; inhibits cellular AKT activation and the phosphorylation of the downstream target PRAS40; inhibits tumor growth in a human xenograft mouse model of endometrial adenocarcinoma; orally bioavailable. Blood Cancer Phase 1 Clinical

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : Akt

Receptor : Akt

Solubility : DMSO: ≥ 40.2 mg/mL

SMILES : C1CC(C1)(C2=CC=C(C(C=C2)N3C4=C(C=CC(=N4)C5=CC=CC=C5)N=C3C6=C(N=CC=C6)N)N

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Lapierre JM, et al. J Med Chem. 2016 Jul 14;59(13):6455-69. 2. Kim K, et al. Haematologica. 2017 Feb;102(2):246-259. 3. Roth GS, et al. Mol Cancer Ther. 2017 May 31. pii: molcanther.0602.2016.