

Product Name : Uprosertib

Synonyms : GSK2141795, GSK 795, Uprosertib

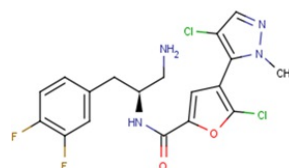
Cat No. : M17123

CAS Number : 1047634-65-0

Molecular Formula : C₁₈H₁₆Cl₂F₂N₄O₂

Formula Weight : 429.25

Chemical Name : N-((S)-1-amino-3-(3,4-difluorophenyl)propan-2-yl)-5-chloro-4-(4-chloro-1-methyl-1H-pyrazol-5-yl)furan-2-carboxamide



Description : Uprosertib, also known as GSK2141795 and GSK795, is an orally bioavailable inhibitor of the serine/threonine protein kinase Akt (protein kinase B) with potential antineoplastic activity. Akt inhibitor GSK2141795 binds to and inhibits the activity of Akt, which may result in inhibition of the PI3K/Akt signaling pathway and tumor cell proliferation and the induction of tumor cell apoptosis. Activation of the PI3K/Akt signaling pathway is frequently associated with tumorigenesis and dysregulated PI3K/Akt signaling may contribute to tumor resistance to a variety of antineoplastic agents.

Pathway : Others

Target : Other Targets

Receptor : Akt1; Akt2; Akt3

Solubility : DMSO : ≥ 150 mg/mL 349.45 mM H₂O : < 0.1 mg/mL

SMILES : Cn1c(c(c1)Cl)c1c(cc(c1)C(=O)N[C@@H](Cc1cc(c(cc1)F)F)CN)Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Pachl F, et al. Characterization of a chemical affinity probe targeting Akt kinases. J Proteome Res. 2013 Aug 2;12(8):3792-800.