

Product Name : Rigosertib

Synonyms : ON-01910

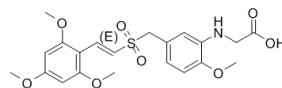
Cat No. : M24584

CAS Number : 592542-59-1

Molecular Formula : C₂₁H₂₅N₂O₈S

Formula Weight : 451.5

Chemical Name : —



Description : Rigosertib is a selective and non-ATP-competitive inhibitor of PLK1 (IC₅₀: 9 nM). Rigosertib is a multi-kinase inhibitor and a selective anti-cancer agent, which induces apoptosis by inhibition of the PI3 kinase/Akt pathway, promotes the phosphorylation of histone H2AX and induces G2/M arrest in the cell cycle.

Pathway : Apoptosis

Target : Apoptosis

Receptor : Apoptosis;BCR-ABL;Cdk1;FIt1;Fyn;PDGFR;PLK1;PLK2;Src

Solubility : DMSO:75 mg/mL (166.12 mM; Need ultrasonic)

SMILES : COC1=C(C=C(C=C1)CS(=O)(=O)C=C/C2=C(C=C(C=C2OC)OC)OC)NCC(=O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1.Xu F, et al. Rigosertib as a selective anti-tumor agent can ameliorate multiple dysregulated signalingtransduction pathways in high-grade myelodysplastic syndrome. Sci Rep. 2014 Dec 4;4:7310.