

Product Name : WY-135

Synonyms : WY135

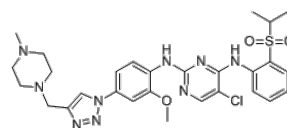
Cat No. : M13452

CAS Number : 2163060-83-9

Molecular Formula : C₂₈H₃₄ClN₉O₃S

Formula Weight : 612.15

Chemical Name : 5-chloro-N⁴-(2-(isopropylsulfonyl)phenyl)-N²-(2-methoxy-4-(4-(4-methylpiperazin-1-yl)methyl)-1H-1,2,3-triazol-1-yl)phenyl)pyrimidine-2,4-diamine



Description : WY-135 (WY135) is a novel potent inhibitor of ALK and ROS1 with IC₅₀ of 1.2 and 0.48 nM, respectively; exhibits better enzyme inhibitory activity than ceritinib, demonstrates anti-proliferative effects on Karpas299 and H2228 cells with IC₅₀ of 28 and 164 nM respectively in MTT assay; induces cell cycle arrest at G1 phase in a dose-dependent manner and subsequently progressed into apoptosis, significantly suppressed ALK and its downstream protein expression.

Pathway : Angiogenesis

Target : ALK

Receptor : ALK

Solubility : —

SMILES : CC(C)S(=O)(=O)C1=CC=CC=C1NC2=NC(=NC=C2Cl)NC3=C(C=C(C=C3)N4C=C(N=N4)CN5CCN(CC5)C)OC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Han M, et al. Chem Biol Interact. 2018 Mar 25;284:24-31. 2. Wang Y, et al. Eur J Med Chem. 2018 Jan 1;143:123-136.