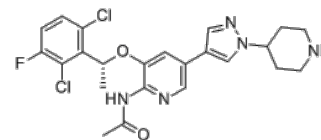


Product Name : Unecritinib
Cat. No. : PC-20952
CAS No. : 1418026-92-2
Molecular Formula : C₂₃H₂₄Cl₂FN₅O₂
Molecular Weight : 492.38
Target : ROS1
Solubility : 10 mM in DMSO



CAS: 1418026-92-2

1. Yang F, et al. *Front Pharmacol.* 2022 Jan 18;12:782518.

Biological Activity

Unecritinib (TQ-B3101) is a novel kinase inhibitor targeting receptor tyrosine kinases including ALK, **ROS1** and MET, inhibits AKT phosphorylation and downstream signaling molecules ERK1/2, has IC₅₀ of 142.7 nM for wildtype ROS1.

Unecritinib (TQ-B3101) displays notable growth inhibitory effects on several cancer cell lines carrying ALK rearrangements or mutations or overexpressing c-MET, with an IC₅₀ of 180 to 378.9 nM for lung cancer cells and an IC₅₀ of 23.5 nM for gastric cancer cells overexpressing c-MET.

Unecritinib (TQ-B3101) shows potential in advanced tumors and ROS1 inhibitor-naïve advanced or metastatic non-small cell lung cancer (NSCLC) harboring ROS1 rearrangements.

References

2. Lu S, et al. *Signal Transduct Target Ther.* 2023 Jun 30;8(1):249.

