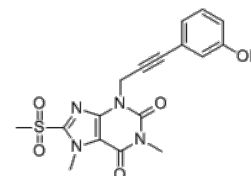


Product Name : TC13172
Cat. No. : PC-21158
CAS No. : 2093393-05-4
Molecular Formula : C₁₇H₁₆N₄O₅S
Molecular Weight : 388.40
Target : Mixed Lineage Kinase (MLK)
Solubility : 10 mM in DMSO



Biological Activity

TC13172 (TC 13172) is a highly potent necroptosis inhibitor targeting the mixed lineage kinase domain-like protein (**MLKL**), inhibits necroptosis with IC₅₀ of 2 nM in TSZ-induced necroptosis assays in HT-29 cells.

TC13172 (10 μM) does not inhibit the kinase activities of RIP1 or RIP3 in in vitro assays.

TC13172 covalently binds MLKL at Cys-86, blocks the oligomerization and translocation of MLKL from the cytoplasm to the cell membrane.

TC13172 does not disrupt the phosphorylation of MLKL, but decrease the level of MLKL in the membrane phase.

References

Yan B, et al. *Chem Commun (Camb)*. 2017 Mar 28;53(26):3637-3640.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com