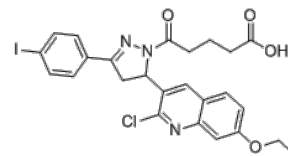


Product Name : TDRL-551
Cat. No. : PC-20337
CAS No. : 1644626-43-6
Molecular Formula : C₂₅H₂₃ClIN₃O₄
Molecular Weight : 591.83
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

TDRL-551 (TDRL551) is a small molecule **Replication Protein A (RPA)** inhibitor targeting the Replication Protein A-DNA interaction with IC₅₀ of 18 uM.

TDRL-551 exhibits single agent anti-cancer activity in the A2780 EOC cell line using clonogenic survival assays with IC₅₀ of 25 uM.

TDRL-551 is synergistic with DNA damaging chemotherapeutic agent in platinum sensitive A2780 cell line.

TDRL-551 displays single agent anti-cancer activity and sensitizes NSCLC tumors to platinum based treatment in vivo.

References

Mishra AK, et al. *Biochem Pharmacol.* 2015 Jan 1;93(1):25-33.

Gavande NS, et al. *ACS Med Chem Lett.* 2020 Jan 2;11(6):1118-1124.

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

E-mail: tech@probechem.com