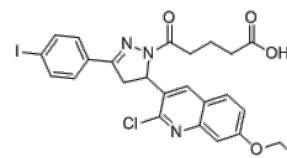


**Product Name** : TDRL-551  
**Cat. No.** : PC-20337  
**CAS No.** : 1644626-43-6  
**Molecular Formula** : C<sub>25</sub>H<sub>23</sub>ClIN<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 591.83  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

TDRL-551 (TDRL551) is a small molecule **Replication Protein A (RPA)** inhibitor targeting the Replication Protein A-DNA interaction with IC<sub>50</sub> of 18 μM.

TDRL-551 exhibits single agent anti-cancer activity in the A2780 EOC cell line using clonogenic survival assays with IC<sub>50</sub> of 25 μM.

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!**

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