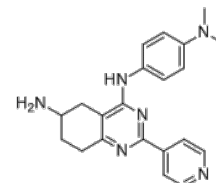


**Product Name** : ARN-21934  
**Cat. No.** : PC-38577  
**CAS No.** : 2230854-93-8  
**Molecular Formula** : C<sub>21</sub>H<sub>24</sub>N<sub>6</sub>  
**Molecular Weight** : 360.46  
**Target** : Topoisomerase  
**Solubility** : 10 mM in DMSO



### Biological Activity

ARN-21934 is a potent, highly selective human topoisomerase II  $\alpha$  (**Topo II $\alpha$** ) with IC<sub>50</sub> of 2  $\mu$ M for inhibition of DNA relaxation, 100-fold selectivity for topo II $\alpha$  over Topo  $\beta$ .

ARN-21934 is more potent than the anticancer drug etoposide (IC<sub>50</sub>=120  $\mu$ M).

ARN-21934 displays a broad antiproliferative activity toward cultured human cancer cells (DU145, IC<sub>50</sub>=11.5  $\mu$ M).

ARN-21934 also exhibits a favorable in vivo pharmacokinetic profile, and the ability to penetrate the blood-brain barrier.

### References

Jose Antonio Ortega, et al. *J Med Chem*. 2020 Nov 12;63(21):12873-12886.

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

E-mail: tech@probechem.com