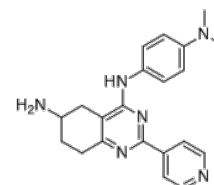


Product Name : ARN-21934
Cat. No. : PC-38577
CAS No. : 2230854-93-8
Molecular Formula : C₂₁H₂₄N₆
Molecular Weight : 360.46
Target : Topoisomerase
Solubility : 10 mM in DMSO



Biological Activity

ARN-21934 is a potent, highly selective human topoisomerase II α (**Topo II α**) with IC₅₀ of 2 μ M for inhibition of DNA relaxation, 100-fold selectivity for topo II α over Topo β .

ARN-21934 is more potent than the anticancer drug etoposide (IC₅₀=120 μ M).

ARN-21934 displays a broad antiproliferative activity toward cultured human cancer cells (DU145, IC₅₀=11.5 μ 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!

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