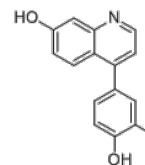


Product Name : CU-CPT9b
Cat. No. : PC-60332
CAS No. : 2162962-69-6
Molecular Formula : C₁₆H₁₃NO₂
Molecular Weight : 251.285
Target : Toll-like Receptor (TLR)
Solubility : 10 mM in DMSO



Biological Activity

CU-CPT9b (TLR8 inhibitor 9b) is a potent, selective **TLR8** inhibitor with IC₅₀ of 0.7 nM, K_d of 21 nM, and negligible cytotoxicity.

CU-CPT9b shows no significant inhibition for other TLRs at 1 μM in cellular assays.

CU-CPT9b consistently recognizes an allosteric pocket on the protein-protein interface, stabilizing the inactive TLR8 dimer.

References

Zhang S, et al. *Nat Chem Biol*. 2017 Nov 20. doi: 10.1038/nchembio.2518.

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

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