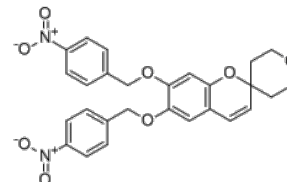


Product Name : CU-CPT17e
Cat. No. : PC-20231
CAS No. : 2109805-75-4
Molecular Formula : C₂₇H₂₄N₂O₈
Molecular Weight : 504.50
Target : Toll-like Receptor (TLR)
Solubility : 10 mM in DMSO



Biological Activity

CU-CPT17e is a **multi-TLR** agonist with EC₅₀ of 4.8 μM, 13.4 μM and 5.7 μM for strong NF-κB activation on hTLR 3, 8 and 9 respectively.

CU-CPT17e shows negligible or no NF-κB activation via hTLR 2, 4, 5 and 7.

CU-CPT17e also exhibits significant cytotoxic activity, inhibiting the growth of cervical HeLa cancer cells (IC₅₀ = 2.7 μM) by inducing apoptosis.

References

Zhang L, et al. *J Med Chem*. 2017;60:5029–5044.

Anindya Sarkar, et al. *Med Chem Res*. 2021 Jul;30(7):1377-1385.

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

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