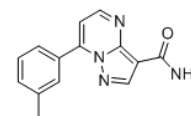


Product Name : CU-CPT8m
Cat. No. : PC-60002
CAS No. : 125079-83-6
Molecular Formula : C₁₄H₁₂N₄O
Molecular Weight : 252.277
Target : Toll-like Receptor (TLR)
Solubility : 10 mM in DMSO



Biological Activity

CU-CPT8m is a novel potent, selective **TLR8** inhibitor with K_d of 220 nM and IC₅₀ of 67 nM, with negligible cytotoxicity. CU-CPT8m shows no effect on TLR1/2/6, TLR3, TLR4, TLR5, TLR7 and TLR9.

CU-CPT8m inhibits R848-induced TNF- α production in the differentiated THP-1 monocytes cells with IC₅₀ of 90 nM, also abolishes the elevation of TNF- α and IL-8 mRNA levels.

CU-CPT8m suppresses the proinflammatory cytokine production in multiple human primary cells derived from different patients.

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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