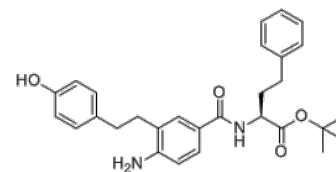

Product Name	: Neoseptin-3
Cat. No.	: PC-20737
CAS No.	: 1622863-21-1
Molecular Formula	: C ₂₉ H ₃₄ N ₂ O ₄
Molecular Weight	: 474.60
Target	: Toll-like Receptor (TLR)
Solubility	: 10 mM in DMSO



CAS: 1622863-21-1

Biological Activity

Neoseptin-3 is a specific synthetic agonist of mouse toll-like receptor 4 (**TLR4**)/myeloid differentiation factor 2 (**MD-2**) complex, promotes macrophage TNF α production with EC₅₀ of 18.5 μ M.

Neoseptin-3 induces TNF α , IL-6, and IFN- β secretion in different mouse cells.

Neoseptin-3 does not require TLR2, TLR3, TLR6, TLR7, or TLR9 to induce TNF α .

Neoseptin-3 specifically engages and activates mouse TLR4/MD-2, but cannot activate human TLR4/MD-2 or mixed heterodimers..

References

Wang Y, et al. *Proc Natl Acad Sci U S A*. 2016 Feb 16;113(7):E884-93.

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

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