

# Neoseptin 3

Catalog No: **tcsc0035376**



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg



## Specifications

**CAS No:**

1622863-21-1

**Formula:**

$C_{29}H_{34}N_2O_4$

**Pathway:**

Immunology/Inflammation

**Target:**

Toll-like Receptor (TLR)

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

474.59

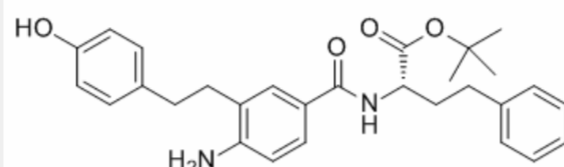
## Product Description

Neoseptin 3 is a Toll-like receptor 4/myeloid differentiation factor 2 (**mTLR4/MD-2**) agonist with an **EC<sub>50</sub>** of 18.5 μM.

IC50 & Target: EC50: 18.5 μM (mTLR4/MD-2) <sup>[1]</sup>

***In Vitro:***

Neoseptin 3 is a Toll-like receptor 4/myeloid differentiation factor 2 (mTLR4/MD-2) agonist with an EC<sub>50</sub> of 18.5 μM. Neoseptin-3 induces TNFα production by macrophages in a concentration-dependent manner. Neoseptin-3 induces phosphorylation of IκB kinases α (IKKα), IKKβ, p38, c-Jun N-terminal kinase (JNK), and ERK, and degradation of IκBα, consistent with activation of MAPK and canonical NF-κB signaling. TANK-binding kinase 1 (TBK1) and IRF3 phosphorylation also increase in response to Neoseptin-3<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!