

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

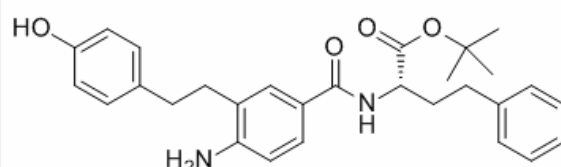
Product Description

Neoseptin 3 is a Toll-like receptor 4/myeloid differentiation factor 2 (**mTLR4/MD-2**) agonist with an **EC₅₀** of 18.5 μM.

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

In Vitro:

Neoseptin 3 is a Toll-like receptor 4/myeloid differentiation factor 2 (mTLR4/MD-2) agonist with an EC₅₀ 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^[1].



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