



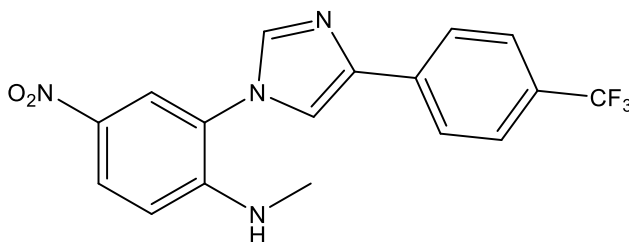
Catalog # 10-4922

CU-T12-9

N-Methyl-4-nitro-2-(-(4-(trifluoromethyl)phenyl)-1H-imidazol-1-yl)aniline

CAS# 1821387-73-8

Lot # FBA11108



CU-T12-9 is a selective Toll-like receptor 1/2 (TLR1/2) agonist ($EC_{50} = 53 \text{ nM}$).¹ It facilitates TLR1/2 heterodimeric complex formation and not TLR2/6. CU-T12-9 activates NF- κ B signaling, triggers nitric oxide production, and upregulates expression of mRNA levels for TNF and IL-10.

1) Cheng *et al.* (2015), *Specific activation of the TLR1-TLR2 heterodimer by small-molecule agonists*; Sci. Adv. **1** e1400139

PHYSICAL DATA

Molecular Weight: 362.31

Molecular Formula: $C_{17}H_{13}F_3N_4O_2$

Purity: >98% by HPLC

NMR: Conforms

Solubility: DMSO (50 mg/mL)

Physical Description: Yellow solid

Storage and Stability: Store as supplied desiccated at -20°C for up to 2 years from the date of purchase.
Solutions in DMSO may be stored at -20°C for up to 3 months.

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