

Product Name	: CU-CPT9b
Synonyms	: CU-CPT-9b; TLR8-specific antagonist 1
Cat No.	: M20663
CAS Number	: 2162962-69-6
Molecular Formula	: C ₁₆ H ₁₃ NO ₂
Formula Weight	: 251.28
Chemical Name	: 4-(4-Hydroxy-3-methylphenyl)quinolin-7-ol
Description	: CU-CPT9b is an antagonist of toll-like receptor 8 (TLR8; $K_d = 21$ nM). It inhibits activation of NF- κ B induced by the TLR8 agonist R-848 in TLR8-overexpressing HEK-Blue cells with an IC ₅₀ value of 0.7 nM.
Pathway	: Immunology/Inflammation
Target	: TLR
Receptor	: TLR8
Solubility	: DMSO: 100 mg/mL (397.96 mM)
SMILES	: <chem>Cc1cc(ccc1O)-c1ccnc2cc(O)ccc12</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Zhang S, Hu Z, Tanji H et al. Small-molecule inhibition of TLR8 through stabilization of its resting state[J]. Nature Chemical Biology 2017 14(1):58-64.