

Product Name	: NIK SMI1
Synonyms	: NIK SMI1; NIKSMI1; NIK-SMI1
Cat No.	: M12533
CAS Number	: 1660114-31-7
Molecular Formula	: C ₂₀ H ₁₉ N ₃ O ₄
Formula Weight	: 365.39
Chemical Name	: (R)-6-(3-((3-hydroxy-1-methyl-2-oxopyrrolidin-3-yl)ethynyl)phenyl)-4-methoxypicolinamide
Description	<p>NIK SMI1 is a potent, selective small molecule inhibitor of NF-κB inducing kinase (NIK) with K_i of 230 ± 170 pM; only inhibits 3 out of 222 off-target kinases (KHS1, LRRK2, and PKD1) with >75% inhibition at 1 μM; potently inhibits anti-LTβR-induced nuclear p52 levels in anti-LTβR-stimulated HeLa cells, with no effect on canonical signaling; inhibits BAFF and CD40 signaling, suppresses immune responses in vivo; suppresses disease biomarkers and improves survival and renal function in NZB/W F1 mice.</p>
Pathway	: Apoptosis
Target	: NF-κB
Receptor	: NF-κB
Solubility	: DMSO : 100 mg/mL 273.69 mM
SMILES	: <chem>O=C(N)C1=NC(C2=CC=CC(C#CC[C@@H]3(O)C(N(C)CC3)=O)=C2)=CC(OC)=C1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Brightbill HD, et al. Nat Commun. 2018 Jan 12;9(1):179.