

Product Name : SR12343

Synonyms : SR 12343;SR-12343

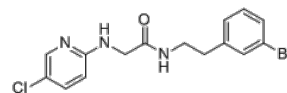
Cat No. : M13191

CAS Number : 2055101-86-3

Molecular Formula : C₁₅H₁₅BrClN₃O

Formula Weight : 368.66

Chemical Name : N-(3-bromophenethyl)-2-((5-chloropyridin-2-yl)amino)acetamide



Description : SR12343 (SR-12343) is a novel NF-κB essential modulator (NEMO)-binding domain (NBD) mimetic for inhibiting IKK/NF-κB activation, inhibits TNF-α-mediated NF-κB activation with IC₅₀ of 11.34 μM in luciferase assays; inhibits lipopolysaccharide (LPS)-induced NF-κB activation by blocking the interaction between IKKβ and NEMO, significantly inhibits COX-2, IL-6, and iNOS expression at 50 μM in cellular assays; suppresses LPS-induced acute pulmonary inflammation, alleviates necrosis and muscle degeneration in mdx mice without overt liver toxicity.

Pathway : Apoptosis

Target : NF-κB

Receptor : NF-κB

Solubility : —

SMILES : C1=CC(=CC(=C1)Br)CCNC(=O)CNC2=NC=C(C=C2)Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Zhao J, et al. PLoS Biol. 2018 Jun 11;16(6):e2004663.

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