

Product Name : Compound 919278

Synonyms : —

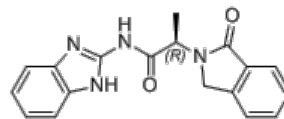
Cat No. : M13493

CAS Number : 2189366-77-4

Molecular Formula : C₁₈H₁₆N₄O₂

Formula Weight : 320.35

Chemical Name : (R)-N-(1H-benzo[d]imidazol-2-yl)-2-(1-oxoisindolin-2-yl)propanamide



Description : Compound 919278 is a specific inhibitor of lymphotoxin β receptor (LTβR, IC₅₀=0.169 μM), and TNF receptor superfamily member 12A (FN14)-dependent nuclear translocation of p52 (IC₅₀=0.167 μM) via inhibiting CDK12/CCNK, does not inhibit the TNF-α-mediated nuclear translocation of p65 (RelA); prevents the accumulation of NIK, selectively inhibits the noncanonical NF-κB pathway; prevents the LTβR- and FN14-dependent expression of MAP3K14 (which encodes NIK) as well as NIK accumulation by reducing phosphorylation of the carboxyl-terminal domain of RNA polymerase II; reduces the binding of both CDK12 and its associated protein CCNK with IC₅₀ of 30-60 nM, inhibits CDK12 cellular activity and reduces the phosphorylation of Ser2 on the RNA Pol II CTD; phenocopies the effect of CDK12 knockdown on DEGs.

Pathway : Angiogenesis

Target : CDK

Receptor : CDK

Solubility : —

SMILES : CC(C(=O)N)C1=NC2=CC=CC=C2N1)N3CC4=CC=CC=C4C3=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Henry KL, et al. Sci Signal. 2018 Jul 31;11(541). pii: eaam8216.