

产品名称 : Compound 919278

同义词 : —

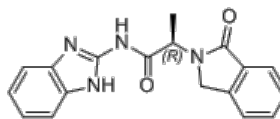
产品货号 : M13493

CAS Number : 2189366-77-4

分子式 : C₁₈H₁₆N₄O₂

分子量 : 320.352

化学全名 : (R)-N-(1H-benzo[d]imidazol-2-yl)-2-(1-oxoisindolin-2-yl)propanamide



产品描述 : Compound 919278 is a specific inhibitor of lymphotoxin β receptor (LT β R, IC₅₀=0.169 μ M), and TNF receptor superfamily member 12A (FN14)-dependent nuclear translocation of p52 (IC₅₀=0.167 μ M) 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- κ B pathway; prevents the LT β R- 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.

通路 : Angiogenesis

靶点 : CDK

受体 : CDK

溶解度 : In Vitro: ?DMSO : 125 mg/mL (390.20 mM)

SMILES : CC(C(=O)NC1=NC2=CC=CC=C2N1)N3CC4=CC=CC=C4C3=O

存储条件 : (-20°C)

稳定性 : ≥ 2 years

参考文献 :

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