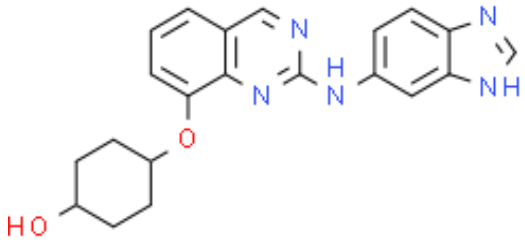
Product Data Sheet

Cas No.:	1792999-26-8	Cat. No:	PL06950
Product Name:	NCB-0846		
Product synonym:	-		
Chemical name:	NCB-0846		
MF:	C21H21N5O2	FW:	375.4237
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax：	-	Formulation：	-
Solubility :			
SMILES :	O(C1=C([H])C([H])=C([H])C2=C([H])N=C(N([H])C3C([H])=C([H])C4=C(C=3[H])N([H])C([H])=N4)N=C12)C1([H])C([H])([H])C([H])([H])C([H])(C([H])([H])C1([H])[H])O[H]		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

NCB-0846是具有口服活性的TNIK抑制剂，IC_{50}值为21 nM。

生物活性	NCB-0846 is an orally available TNIK inhibitor with an IC 50 of 21?nM.
IC50 & Target[1][2]	TNIK 21 nM (IC50) Wnt
体外研究(In Vitro)	NCB-0846 has anti-Wnt activity. NCB-0846 binds to TNIK in an inactive conformation, and this binding mode seems to be essential for Wnt inhibition. NCB-0846 shows inhibitory activity against TNIK with an IC50 of 21?nM. NCB-0846 also inhibits FLT3, JAK3, PDGFRα, TRKA, CDK2/CycA2, and HGK. NCB-0846 induces faster migration of TCF4 phosphorylated by TNIK within a concentration range of 0.1-0.3?μM and completely inhibits the phosphorylation of TCF4 at a concentration of 3?μM. NCB-0846 inhibits HCT116 cell growth and shows much higher (-20-fold) inhibitory activity against colony formation by the same cells in soft agar. has not independently confirmed the accuracy of these methods. They are for reference only.

体内研究(In Vivo)	NCB-0846 suppresses the growth of tumors established by inoculating HCT116 cells into immunodeficient mice. The expression of Wnt-target genes (AXIN2, MYC and CCND1) in xenografts is reduced following the administration of NCB-0846. NCB-0846 induces an increase in the sub-G1 cell population. Cleavage of poly (ADP-ribose) polymerase 1 indicates the induction of apoptosis. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	Powder -20°C 3 years； 4°C 2 years
溶解度数据	In Vitro: DMSO : ≥ 30 mg/mL (79.91 mM)配制储备液