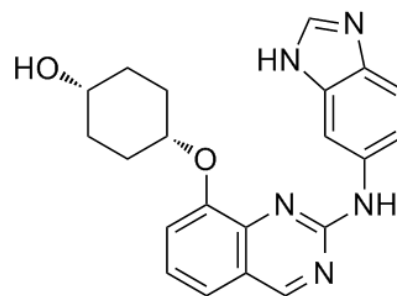


**Product Name** : NCB-0846  
**Cat. No.** : PC-42270  
**CAS No.** : 1792999-26-8  
**Molecular Formula** : C<sub>21</sub>H<sub>21</sub>N<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 375.4237  
**Target** : TNIK  
**Solubility** : DMSO: ≥ 30 mg/mL



## Biological Activity

NCB-0846 (NCB0846) is the first orally available, small-molecule **TNIK** inhibitor with IC<sub>50</sub> of 21 nM.

NCB-0846 also weakly inhibits FLT3, JAK3, PDGFR $\alpha$ , TRKA, CDK2/CycA2, and HGK (IC<sub>80</sub>>0.1  $\mu$ M).

NCB-0846 induces faster migration of TCF4 phosphorylated by TNIK at 0.1-0.3  $\mu$ M, and completely inhibits at 3  $\mu$ M; also reduces the expression of TNIK, AXIN2, cMYC, LRP6 and LRP5.

NCB-0846 abrogates colorectal cancer stemness, suppresses Wnt-driven intestinal tumorigenesis in Apc(min/+) mice.

## References

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Yamada T, et al. *Cancer Sci.* 2017 May;108(5):818-823.

Mahmoudi T, et al. *EMBO J.* 2009 Nov 4;28(21):3329-40.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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