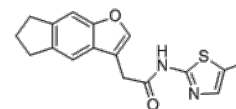


**Product Name** : NCT02  
**Cat. No.** : PC-73186  
**CAS No.** : 790245-61-3  
**Molecular Formula** : C<sub>17</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>S  
**Molecular Weight** : 312.387  
**Target** : Cyclin-dependent Kinase (CDK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

NCT02 is a small molecule that induces ubiquitination of **cyclin K** (CCNK) and proteasomal degradation of CCNK and its complex partner CDK12.

NCT02 decreases proliferation of CRC cells in vitro and tumor growth in vivo.

Pharmacological CCNK/CDK12 degradation via NCT02 is associated with TP53 deficiency and consensus molecular subtype 4 in vitro and in patient-derived xenografts.

## References

Sebastian M Dieter, et al. *Cell Rep.* 2021 Jul 20;36(3):109394.

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

E-mail: tech@probechem.com