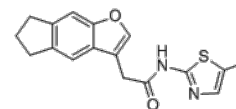


Product Name : NCT02
Cat. No. : PC-73186
CAS No. : 790245-61-3
Molecular Formula : C₁₇H₁₆N₂O₂S
Molecular Weight : 312.387
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



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!

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