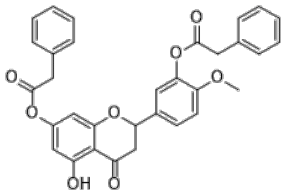
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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	CDK17 inhibitor DU12
Cat. No.	:	PC-26877
CAS No.	:	2071661-14-6
Molecular Formula	:	$C_{32}H_{26}O_8$
Molecular Weight	:	538.55
Target	:	Cyclin-dependent Kinase (CDK)
Solubility	:	10 mM in DMSO



CAS: 2071661-14-6

Biological Activity

DU12 is a potent small molecule **CDK17** inhibitor with IC50 of 0.76 uM against recombinant CDK17 kinase, inhibits the proliferation, colony formation, migration, and invasion of SKOV3 and A2780 ovarian cancer cells with IC50 of 2.83 uM and 2.65 uM.
DU12 significantly suppressed tumor growth and downregulated the expression of CDK17, SEMA6C, and PLXNA2 in tumor tissues.
DU12 downregulates the SEMA6C-Plexin A2 signaling pathway by targeting CDK17.
CDK17 promotes SEMA6C protein stability by suppressing its ubiquitin-dependent degradation.
DU12 markedly inhibits ovarian cancer growth in vivo and downregulates the CDK17-SEMA6C axis.

References

Pan C, et al. ***Biochem Pharmacol.*** 2026 May 15:118069.

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

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