

CDK7/9-IN-1 biochemical

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CATALOG #
AAA228615

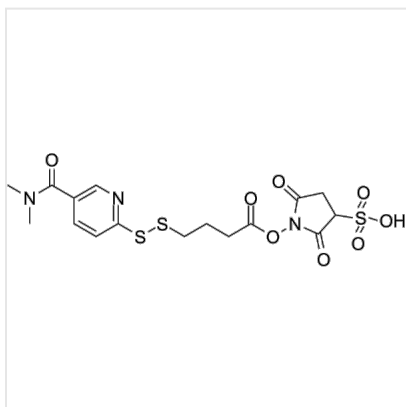
PRODUCT SYNONYMS

CDK7/9-IN-1; CDK7/9-IN-1 biochemical

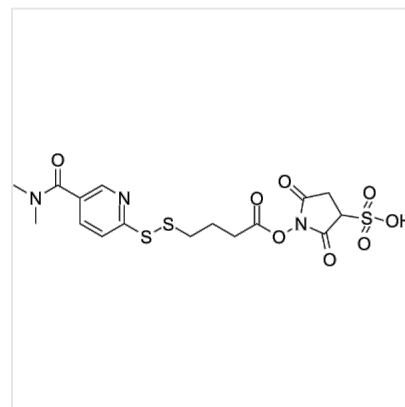
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2747919-19-1
Targets&IC50	CDK7:5.74-65.6 nM (IC50), CDK9:2.14 uM (IC50)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	CDK7/9-IN-1 (example 8; 0.001-20 uM; 4 h) inhibits CDK7 with a relative IC 50 of 0.0262 uM for phospho-carboxyl terminal domain (Rbp2)(Ser5) in HCT116 cells[1]. CDK7/9-IN-1 (0.001-20 uM; 4 h) inhibits CDK9 with an IC 50 of 2.59 uM for phospho-carboxyl terminal domain (Rbp2)(Ser2) in HCT116 cells[1]. CDK7/9-IN-1 (0.001-20 uM; 4 h) inhibits cMyc with a relative IC 50 of 0.0138 uM in HCT116 cells[1]. CDK7/9-IN-1 (20 uu, 2 uu, and 0.2 uu; 1 h) shows excellent selectivity against the 468 protein kinases panel. CDK7/9-IN-1 shows approximately 96% inhibition against CDK7[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
DMAC-SPDB-sulfo, CAS 663599-07-3



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ADDITIONAL INFORMATION

Related Product Information for CDK7/9-IN-1 biochemical	CDK7/9-IN-1 is a cyclin-dependent kinases 7/9 (CDK7/9) inhibitor. CDK7/9-IN-1 selectively inhibits CDK7 over CDK9. CDK7/9-IN-1 inhibits CDK7 with IC 50 s of 0.0656 uM and 0.00574 uM without pre-incubation and after 3 hours pre-incubation, respectively. CDK7/9-IN-1 inhibits CDK9 with an IC 50 of 2.14 uM after 3 hours pre-incubation. CDK7/9-IN-1 can be used for the research of cancer.
References	1. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/cdk7-9-in-1/228615>