

CDK12-IN-5 biochemical

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CATALOG #
AAA228569

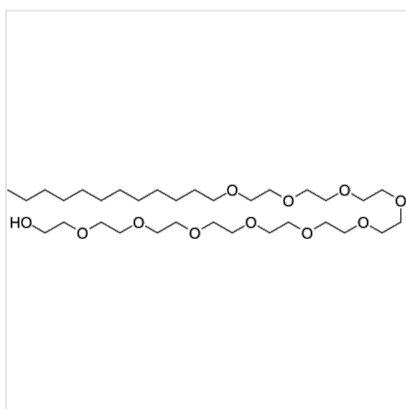
PRODUCT SYNONYMS

CDK12-IN-5; PEG10-dodecyl; CDK12-IN-5 biochemical

PRODUCT SPECIFICATIONS

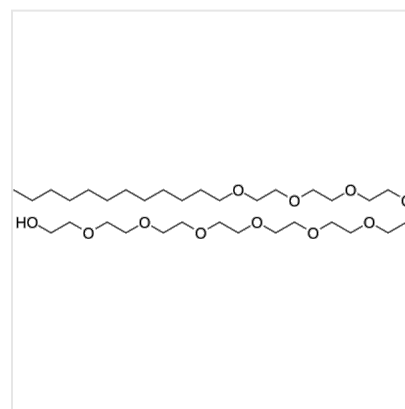
Purity/Purification	98%
CAS	2651200-35-8
Targets&IC50	CDK12:23.9 nM (IC50), CDK2/CyclinE:173 uM (IC50), CDK9/CyclinT1:127 uM (IC50)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	CDK12-IN-5 (Example 426) inhibits BRCA1 mRNA expression in MDA-MB-231 cells (IC 50 =3.23 nM) and has no effect on CAL-120 cells[1]. CDK12-IN-5 has antiproliferative activity in MDA-MB-231 cells (IC 50 =4.19 nM) and CAL-120 cells (IC 50 =3.57 nM)[1]. CDK12-IN-5 has a inhibition IC 50 CDK12 high ATP to Degradation DC 50 CDK12 ratio of 32[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

Decaethylene glycol dodecyl ether, CAS 618113-48-7



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ADDITIONAL INFORMATION

Related Product Information for CDK12-IN-5 biochemical	CDK12-IN-5, a pyrazolotriazine, is a potent CDK12 inhibitor with an IC 50 of 23.9 nM at high ATP (2 mM). CDK12-IN-5 has no effect on CDK2/Cyclin E (IC 50 =173 uM) and CDK9/Cyclin T1 (IC 50 =127 uM) at high ATP (2 mM)(WO2021116178A1).
References	1. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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/cdk12-in-5/228569>