

SGC-CK2-1 biochemical

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CATALOG #
AAA228460

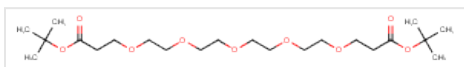
PRODUCT SYNONYMS

SGC-CK2-1; SGC-CK2-1 biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2470424-39-4
Targets&IC50	CK2alpha:36 nM (IC50), CK2alpha':16 nM (IC50)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	SGC-CK2-1 inhibits CSNK2A2 and CSNK2A1 with IC50 values of 2.3 and 4.2 nM[1]. SGC-CK2-1 inhibits DYRK2 with the IC 50 value of 3.7 uM[1]. SGC-CK2-1 inhibits blood U-937, MV4-11, MOLM-13, OCI-LY19, OCI-AML5 cells with IC50s of 120, 690, 750, 760 and 810 nM, respectively. SGC-CK2-1 inhibits Head/Neck Detroit562 cells with an IC 50 of 550 nM. SGC-CK2-1 inhibits Lung NCI-H2286 cells with an IC 50 of 550 nM. SGC-CK2-1 inhibits Brain SK-N-MC cells with an IC 50 of 730 nM. SGC-CK2-1 inhibits Breast BT-20 cells with an IC 50 of 810 nM. SGC-CK2-1 inhibits Skin A375 cells with an IC 50 of 830 nM. SGC-CK2-1 inhibits Stomach SNU-1 cells with an IC 50 of 860 nM. SGC-CK2-1 inhibits Duodenum/hutu 80 cells with an IC 50 of 920 nM[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Bis-PEG6-t-butyl ester, CAS 439114-12-2



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ADDITIONAL INFORMATION

Related Product Information for SGC-CK2-1 biochemical	SGC-CK2-1 is a highly potent, ATP-competitive, and cell-active CK2 chemical probe with exclusive selectivity for both human CK2 isoforms, with IC 50 s of 36 and 16 nM for CK2alpha and CK2alpha' respectively in the nanoBRET assay. SGC-CK2-1 can be used for the research of neurodegenerative diseases.
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

NCBI AND UNIPROT INFORMATION

Molecular Weight	450.569
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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.