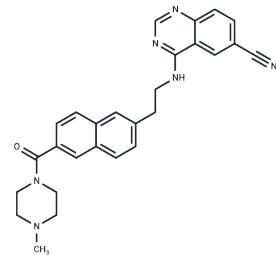


## Senexin B

## Chemical Properties

CAS No. :	1449228-40-3
Formula:	C <sub>27</sub> H <sub>26</sub> N <sub>6</sub> O
Molecular Weight:	450.53
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Senexin B is a potent and selective inhibitor of CDK8/19(CDK8 and CDK19 with Kds of 140 nM and 80 nM).
Targets(IC50)	CDK
In vitro	Senexin B effectively inhibits CDK8/19 at low nanomolar concentrations[1].
In vivo	In a spleen-to-liver colon cancer metastasis model of syngeneic mouse CT26 tumors, Senexin B treatment of mice had the same effect as CDK8 knockdown in tumor cells: suppression of metastatic growth in the liver without a significant effect on primary tumor growth in the spleen[1].

## Solubility Information

Solubility	DMSO: 6 mg/mL (13.32 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2196 mL	11.098 mL	22.1961 mL
5 mM	0.4439 mL	2.2196 mL	4.4392 mL
10 mM	0.222 mL	1.1098 mL	2.2196 mL
50 mM	0.0444 mL	0.222 mL	0.4439 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Porter D, et al. Abstract PR08: Targeting tumor microenvironment with selective small-molecule inhibitors of CDK8/19. Abstracts: AACR Special Conference on Cellular Heterogeneity in the Tumor Microenvironment; 2014 Feb 26-Mar 1; San Diego, CA. Philadelphia (PA): AACR; Cancer Res 2015;75(1 Suppl):Abstract nr PR08. doi:10.1158/1538-7445.CHTME14-PR08

Chen M , Li J , Liang J , et al. Systemic Toxicity Reported for CDK8/19 Inhibitors CCT251921 and MSC2530818 Is Not Due to Target Inhibition[J]. 2019.

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