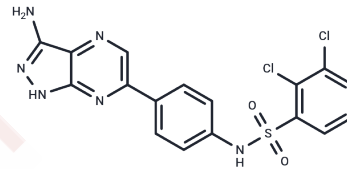


## SGK1 inhibitor

## Chemical Properties

CAS No. :	1426214-51-8
Formula:	C <sub>17</sub> H <sub>12</sub> Cl <sub>2</sub> N <sub>6</sub> O <sub>2</sub> S
Molecular Weight:	435.29
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	SGK1 inhibitor is an inhibitor of serum- and glucocorticoid-regulated kinase 1 (SGK1) and SGK2. It is selective for SGK1 and SGK2 over SGK3 in the presence of a high concentration of ATP. SGK1 inhibitor prevents phosphorylation of GSK3 $\beta$ in U2OS cells and decreases cell viability in BYL719-insensitive HCC1954 cells when used in combination with the PI3K $\alpha$ inhibitor BYL719. SGK1 inhibitor reduces tumor growth in an HCC1954 mouse xenograft model when administered in combination with BYL719.
Targets(IC50)	Others,SGK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2973 mL	11.4866 mL	22.9732 mL
5 mM	0.4595 mL	2.2973 mL	4.5946 mL
10 mM	0.2297 mL	1.1487 mL	2.2973 mL
50 mM	0.0459 mL	0.2297 mL	0.4595 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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