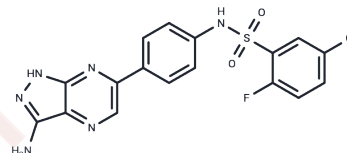


## SGK1-IN-1

### Chemical Properties

CAS No. :	1279829-87-6
Formula:	C17H12ClFN6O2S
Molecular Weight:	418.83
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



### Biological Description

Description	SGK1-IN-1 is a highly active and selective SGK-1 inhibitor with an IC50 of 1 nM.
Targets(IC50)	Others
In vitro	SGK1-IN-1 (14n) demonstrates favorable SGK isoform selectivity, exhibiting potent activity towards hSGK2 and moderate activity against hSGK3, with IC50 values of 1 and 41 nM at ATP concentrations of 10 μM and 50 μM, respectively. Additionally, it shows cellular efficacy by inducing SGK1-dependent phosphorylation of GSK3β in U2OS cells, achieving an activity level of 0.69 μM[2].

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3876 mL	11.938 mL	23.876 mL
5 mM	0.4775 mL	2.3876 mL	4.7752 mL
10 mM	0.2388 mL	1.1938 mL	2.3876 mL
50 mM	0.0478 mL	0.2388 mL	0.4775 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.

### Reference

ARYL SULFONOHYDRAZIDES. WO 2013041119 A1.

Halland N, et al. Discovery of N-[4-(1H-Pyrazolo[3,4-b]pyrazin-6-yl)-phenyl]-sulfonamides as Highly Active and Selective SGK1 Inhibitors. ACS Med Chem Lett. 2014 Oct 23;6(1):73-8.

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