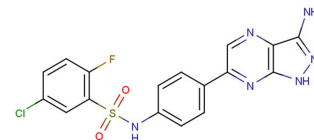


## SGK1-IN-1

## Chemical Properties

CAS No.:	1279829-87-6
Formula:	C <sub>17</sub> H <sub>12</sub> ClFN <sub>6</sub> O <sub>2</sub> S
Molecular Weight:	418.83
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	SGK1-IN-1 is a highly active and selective SGK-1 inhibitor(IC <sub>50</sub> of 1 nM).
Targets(IC <sub>50</sub> )	SGK-1: 1 nM
In vitro	SGK1-IN-1 (14n) shows an acceptable SGK isoform selectivity with a good activity on hSGK2 and a moderate activity on the hSGK3(IC <sub>50</sub> s of 1, 41 nM at 10 μM and 50 μM ATP concentration, respectively). SGK1-IN-1 also displays cellular activity in a SGK1-dependent phosphorylation of GSK3β assay in U2OS cells with activities of 0.69 μM[2].

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.388 mL	11.938 mL	23.876 mL
5 mM	0.478 mL	2.388 mL	4.775 mL
10 mM	0.239 mL	1.194 mL	2.388 mL
50 mM	0.048 mL	0.239 mL	0.478 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. ARYL SULFONOHYDRAZIDES. WO 2013041119 A1.
2. 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.

Inhibitors · Natural Compounds · Compound Libraries

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