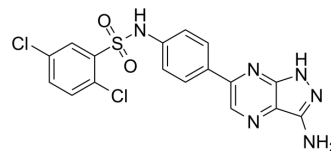


SGK1-IN-2

Cat. No.:	HY-135893		
CAS No.:	1426214-64-3		
Molecular Formula:	C ₁₇ H ₁₂ Cl ₂ N ₆ O ₂ S		
Molecular Weight:	435.29		
Target:	SGK		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (143.58 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	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
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.78 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	SGK1-IN-2 (14h) is a selective SGK1 (serum and glucocorticoid regulated kinase 1) inhibitor, with an IC ₅₀ of 5 nM at 10 μM ATP concentration ^[1] .
--------------------	---

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA