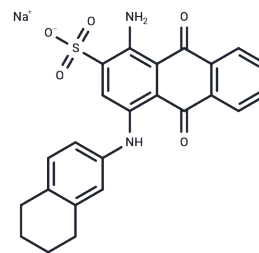


GoSlo-SR-5-69

## Chemical Properties

CAS No. : 1363419-31-1  
 Formula: C<sub>24</sub>H<sub>19</sub>N<sub>2</sub>NaO<sub>5</sub>S  
 Molecular Weight: 470.47  
 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	GoSlo-SR-5-69 is a potent high-conductance calcium-activated potassium channel (BK channel) agonist, with an EC <sub>50</sub> of 251 nM. GoSlo-SR-5-69 significantly shifts the voltage required for half-maximal activation in a negative direction ( $\Delta V_{1/2} = -104$ mV), thereby enhancing channel open probability. Widely used in studies of neuronal excitability, vasodilation, smooth muscle regulation, and ion channel pharmacology, it elucidates BK channel function under physiological and pathological conditions.
Targets(IC50)	Potassium Channel

## Solubility Information

Solubility	DMSO: 40 mg/mL (85.02 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1255 mL	10.6277 mL	21.2553 mL
5 mM	0.4251 mL	2.1255 mL	4.2511 mL
10 mM	0.2126 mL	1.0628 mL	2.1255 mL
50 mM	0.0425 mL	0.2126 mL	0.4251 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

Subhrangsu Roy, et al. Development of GoSlo-SR-5-69, a potent activator of large conductance Ca<sup>2+</sup>-activated K<sup>+</sup> (BK) channels. Eur J Med Chem. 2014 Mar 21;75:426-37.

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