

SG-094

## Chemical Properties

CAS No. : 2922283-37-0

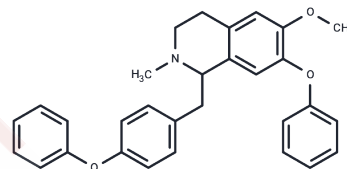
Formula: C<sub>30</sub>H<sub>29</sub>NO<sub>3</sub>

Molecular Weight: 451.56

Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	SG-094 is a specific TPC2 inhibitor that shows anti-proliferative effects on RIL175 cells with an IC <sub>50</sub> of 3.7μM and can be used in tumor research.
Targets(IC <sub>50</sub> )	Others, Calcium Channel

## Solubility Information

Solubility	DMSO: 50 mg/mL (110.73 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.43 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2145 mL	11.0727 mL	22.1455 mL
5 mM	0.4429 mL	2.2145 mL	4.4291 mL
10 mM	0.2215 mL	1.1073 mL	2.2145 mL
50 mM	0.0443 mL	0.2215 mL	0.4429 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**

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