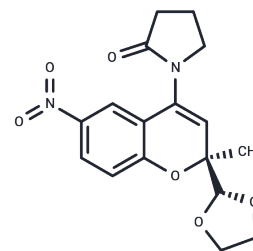


SKP-451

## Chemical Properties

CAS No. : 181137-41-7  
 Formula: C<sub>17</sub>H<sub>18</sub>N<sub>2</sub>O<sub>6</sub>  
 Molecular Weight: 346.335  
 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	SKP-451 is an ATP-sensitive potassium (K <sup>+</sup> ) channel agonist. It activates ATP-sensitive K <sup>+</sup> channels, promoting the efflux of K <sup>+</sup> , leading to membrane hyperpolarization and inhibiting Ca <sup>2+</sup> influx, which results in the relaxation of vascular smooth muscle. SKP-451 relaxes canine coronary arteries, rabbit basilar arteries, and vertebral arteries. Additionally, SKP-451 lowers mean arterial blood pressure in conscious spontaneously hypertensive rats (SHR). It holds potential for cardiovascular disease research.
Targets(IC50)	Potassium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8873 mL	14.4367 mL	28.8734 mL
5 mM	0.5775 mL	2.8873 mL	5.7747 mL
10 mM	0.2887 mL	1.4437 mL	2.8873 mL
50 mM	0.0577 mL	0.2887 mL	0.5775 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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