

VU591

## Chemical Properties

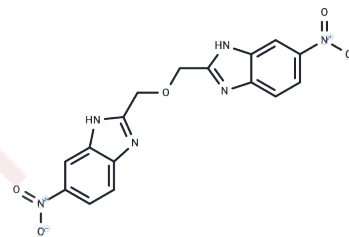
CAS No. : 1222810-74-3

Formula: C<sub>16</sub>H<sub>12</sub>N<sub>6</sub>O<sub>5</sub>

Molecular Weight: 368.3

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	VU591 is a selective extra-renal potassium channel inhibitor with an IC <sub>50</sub> of 0.24 μM.
Targets(IC50)	Potassium Channel

## Solubility Information

Solubility	DMSO: 3.69 mg/mL (10.02 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: 1 mg/mL (2.72 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	2.7152 mL	13.5759 mL	27.1518 mL
5 mM	0.543 mL	2.7152 mL	5.4304 mL
10 mM	0.2715 mL	1.3576 mL	2.7152 mL
50 mM	0.0543 mL	0.2715 mL	0.543 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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