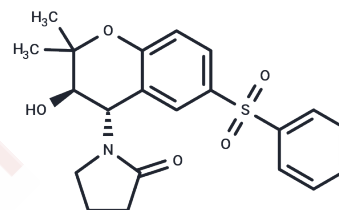


## (Iso)-Rilmakalim

### Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 184653-89-2  |
| Formula:          | C <sub>21</sub> H <sub>23</sub> NO <sub>5</sub> S  |
| Molecular Weight: | 401.48   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |



### Biological Description

|                            |  |
|----------------------------|--|
| Description                | 1-((3R,4S)-3-hydroxy-2,2-dimethyl-6-(phenylsulfonyl)chroman-4-yl)pyrrolidin-2-one is an isomer of Rilmakalim, a potassium channel opener (PCO), which can activate ATP-sensitive K <sup>+</sup> channels in the heart or other tissues |
| Targets(IC <sub>50</sub> ) | Others   |

### Solubility Information

|            |   |
|------------|---|
| Solubility | DMSO: 50 mg/mL (124.54 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.4908 mL | 12.4539 mL | 24.9078 mL |
| 5 mM  | 0.4982 mL | 2.4908 mL  | 4.9816 mL  |
| 10 mM | 0.2491 mL | 1.2454 mL  | 2.4908 mL  |
| 50 mM | 0.0498 mL | 0.2491 mL  | 0.4982 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

Suessbrich H, et al. Specific blockade of slowly activating I(sK) channels by chromanols -- impact on the role of I(sK) channels in epithelia. FEBS Lett. 1996;396(2-3):271-275.

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