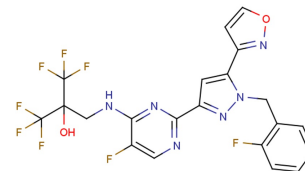


## Praliguat

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No.:          | 1628730-49-3   |
| Formula:          | C <sub>21</sub> H <sub>14</sub> F <sub>8</sub> N <sub>6</sub> O <sub>2</sub> |
| Molecular Weight: | 534.36   |
| Appearance:       | N/A  |
| Storage:          | 0-4°C for short term (days to weeks), or -20°C for long term (months).       |



## Biological Description

|                            |   |
|----------------------------|---|
| Description                | Praliguat stimulates sGC in HEK-293 cells (EC <sub>50</sub> : 197 nM). Praliguat is an effective and orally active soluble guanylate cyclase stimulator. It also enhances NO signaling and acts as a vasodilator. |
| Targets(IC <sub>50</sub> ) | sGC: (EC <sub>50</sub> ) 197 nM   |

## Solubility Information

|            |   |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

## Preparing Stock Solutions

|       | 1mg      | 5mg      | 10mg      |
|-------|----------|----------|-----------|
| 1 mM  | 1.871 mL | 9.357 mL | 18.714 mL |
| 5 mM  | 0.374 mL | 1.871 mL | 3.743 mL  |
| 10 mM | 0.187 mL | 0.936 mL | 1.871 mL  |
| 50 mM | 0.037 mL | 0.187 mL | 0.374 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Daniel P Zimmer, et al. Abstract 16938: IW-1973 is a Potent Soluble Guanylate Cyclase Stimulator in vitro and in vivo With Extensive Tissue Distribution.

Inhibitors · Natural Compounds · Compound Libraries

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

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