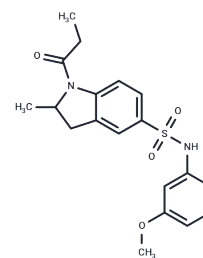


VU625

## Chemical Properties

CAS No. : 901008-62-6  
 Formula: C<sub>19</sub>H<sub>22</sub>N<sub>2</sub>O<sub>4</sub>S  
 Molecular Weight: 374.45  
 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                | VU625 (VU007625) is a selective and potent AeKir1 inhibitor (IC <sub>50</sub> : 96.8 nM) that acts as a mosquito killer and inhibits AeKir1-mediated currents. |
| Targets(IC <sub>50</sub> ) | Others, Potassium Channel  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.6706 mL | 13.3529 mL | 26.7058 mL |
| 5 mM  | 0.5341 mL | 2.6706 mL  | 5.3412 mL  |
| 10 mM | 0.2671 mL | 1.3353 mL  | 2.6706 mL  |
| 50 mM | 0.0534 mL | 0.2671 mL  | 0.5341 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

- Beyenbach KW, et al. Targeting renal epithelial channels for the control of insect vectors. *Tissue Barriers*. 2015 Sep 1;3(4):e1081861.
- Piermarini PM, et al. Localization and role of inward rectifier K(+) channels in Malpighian tubules of the yellow fever mosquito *Aedes aegypti*. *Insect Biochem Mol Biol*. 2015 Dec;67:59-73.
- Raphemot R, et al. Discovery and characterization of a potent and selective inhibitor of *Aedes aegypti* inward rectifier potassium channels. *PLoS One*. 2014 Nov 6;9(11):e110772. doi: 10.1371/journal.pone.0110772. eCollection 2014. Erratum in: *PLoS One*. 2015;10(3):e0119883.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481