

## A3AR modulator 1

## Chemical Properties

CAS No. :

Formula: C<sub>23</sub>H<sub>25</sub>N<sub>4</sub>

Molecular Weight: 484.38

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   | A3AR modulator 1 (MRS8054), an orally active positive allosteric modulator (PAM) of the A3 adenosine receptor (A3AR) (Adenosine Receptor), significantly enhances the efficacy (E max) of Cl-IB-MECA-stimulated [35 S]GTPγS binding [1]. |
| Targets(IC50) | Others, Adenosine Receptor                                                                                                                                                                                                               |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.0645 mL | 10.3225 mL | 20.6449 mL |
| 5 mM  | 0.4129 mL | 2.0645 mL  | 4.129 mL   |
| 10 mM | 0.2064 mL | 1.0322 mL  | 2.0645 mL  |
| 50 mM | 0.0413 mL | 0.2064 mL  | 0.4129 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**

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