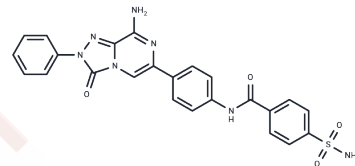


## hA2A/hCA XII modulator 1

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 2548963-55-7  |
| Formula:          | C <sub>24</sub> H <sub>19</sub> N <sub>7</sub> O <sub>4</sub> S   |
| Molecular Weight: | 501.52  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | hA2A/hCA XII modulator 1 is a potent antagonist of the hA2A adenosine receptor (hA2AAR), a triazolopyrazine that acts on hA2AAR (K <sub>i</sub> : 6.4 nM), hA1AR (K <sub>i</sub> : 4.819 μM), and hA3AR (K <sub>i</sub> >30 μM). hA2A/hCA XII modulator 1 Also a potent inhibitor of human carbonic anhydrase XII (hCA XII), capable of acting on hCA XII (K <sub>i</sub> : 6.2 nM), hCA II (K <sub>i</sub> : 46 nM), hCA IX (K <sub>i</sub> : 466 nM) and hCA I (K <sub>i</sub> : 8.351 μM). hA2A/hCA XII modulator 1 exhibits potential for cancer research. |
| Targets(IC50) | Others,Carbonic Anhydrase,Adenosine Receptor   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.9939 mL | 9.9697 mL | 19.9394 mL |
| 5 mM  | 0.3988 mL | 1.9939 mL | 3.9879 mL  |
| 10 mM | 0.1994 mL | 0.997 mL  | 1.9939 mL  |
| 50 mM | 0.0399 mL | 0.1994 mL | 0.3988 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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