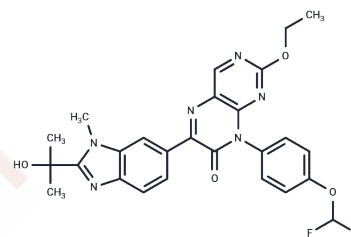


## MAT2A-IN-20

## Chemical Properties

CAS No. : 3018834-98-2  
 Formula: C<sub>26</sub>H<sub>24</sub>F<sub>2</sub>N<sub>6</sub>O<sub>4</sub>  
 Molecular Weight: 522.503  
 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                | MAT2A-IN-20 (Compound A49) is an inhibitor of methionine adenosyltransferase 2A (MAT2A) with an IC <sub>50</sub> of ≤50 nM. It also inhibits human UGT1A1 with an IC <sub>50</sub> of 28.45 μM. Additionally, MAT2A-IN-20 exhibits antitumor activity in mouse models. |
| Targets(IC <sub>50</sub> ) | Methionine Adenosyltransferase (MAT)   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.9139 mL | 9.5694 mL | 19.1388 mL |
| 5 mM  | 0.3828 mL | 1.9139 mL | 3.8278 mL  |
| 10 mM | 0.1914 mL | 0.9569 mL | 1.9139 mL  |
| 50 mM | 0.0383 mL | 0.1914 mL | 0.3828 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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