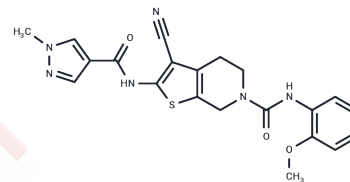


WB436B

## Chemical Properties

CAS No. : 2248552-84-1  
 Formula: C<sub>21</sub>H<sub>20</sub>N<sub>6</sub>O<sub>3</sub>S  
 Molecular Weight: 436.49  
 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   | WB436B, a highly selective STAT3 inhibitor, effectively targets and inhibits STAT3-Tyr705 phosphorylation along with the expression of STAT3 target genes. It exhibits cytotoxic effects on pancreatic cancer cells by inducing apoptosis. Furthermore, WB436B suppresses tumor growth and metastasis in pancreatic cancer mouse models, thereby prolonging the survival of tumor-bearing mice. |
| Targets(IC50) | Apoptosis,STAT  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 2.291 mL  | 11.455 mL | 22.910 mL |
| 5 mM  | 0.4582 mL | 2.291 mL  | 4.582 mL  |
| 10 mM | 0.2291 mL | 1.1455 mL | 2.291 mL  |
| 50 mM | 0.0458 mL | 0.2291 mL | 0.4582 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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