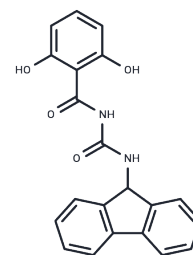


HL001

## Chemical Properties

CAS No. : 1186371-31-2  
 Formula: C<sub>21</sub>H<sub>16</sub>N<sub>2</sub>O<sub>4</sub>  
 Molecular Weight: 360.363  
 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   | HL001 is an orally active small molecule inhibitor of cyclophilin A (CypA) and a receptor antagonist of lysophosphatidic acid 1 (LPA1). It induces cell cycle arrest and apoptosis in tumor cells via p53. By downregulating G3BP1, HL001 promotes reactive oxygen species production and DNA damage to stabilize p53. It disrupts the interaction between MDM2 and p53-72R in a CypA-dependent manner. HL001 exhibits antitumor activity and can also be used in research on pulmonary fibrosis. |
| Targets(IC50) | Apoptosis, Reactive Oxygen Species, LPL Receptor, MDM-2/p53   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 2.775 mL  | 13.875 mL | 27.750 mL |
| 5 mM  | 0.555 mL  | 2.775 mL  | 5.550 mL  |
| 10 mM | 0.2775 mL | 1.3875 mL | 2.775 mL  |
| 50 mM | 0.0555 mL | 0.2775 mL | 0.555 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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