

HRO761

## Chemical Properties

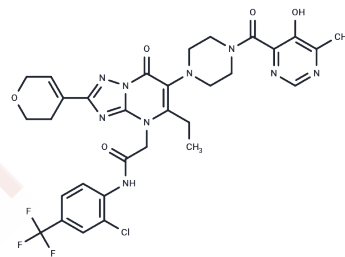
CAS No. : 2869954-34-5

Formula: C<sub>31</sub>H<sub>31</sub>ClF<sub>3</sub>N<sub>9</sub>O<sub>5</sub>

Molecular Weight: 702.08

Storage:

Store at low temperature, Keep away from direct sunlight, Keep away from moisture  
 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   | HRO761 is a potent Werner syndrome RecQ DNA deconjugase (WRN) inhibitor that can be used to study cancers such as colon and stomach cancer.  |
| Targets(IC50) | DNA/RNA Synthesis  |
| In vitro      | HRO761 exhibits an IC <sub>50</sub> value of 100 nM for WRN ATPase, and demonstrates GI <sub>50</sub> values of 50 nM and >10 μM for SW48 and DLD1 WRN-KO cell lines, respectively.[1] |

## Solubility Information

|                     |  |
|---------------------|--|
| Solubility          | DMSO: 99.7 mg/mL (142.01 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble)  |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (4.7 mM), Sonication is recommended.<br><i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

### Preparing Stock Solutions

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|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.4243 mL | 7.1217 mL | 14.2434 mL |
| 5 mM  | 0.2849 mL | 1.4243 mL | 2.8487 mL  |
| 10 mM | 0.1424 mL | 0.7122 mL | 1.4243 mL  |
| 50 mM | 0.0285 mL | 0.1424 mL | 0.2849 mL  |

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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.

### Reference

Triazolo-pyrimidine analogues for treating diseases connected to the inhibition of Werner syndrome-recQ helicase (wrn). WO2022249060.

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