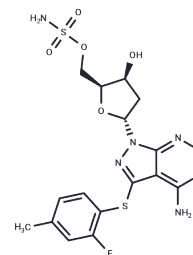


## ATG7-IN-1

### Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 2226229-87-2                                             |
| Formula:          | C17H19FN6O5S2                                            |
| Molecular Weight: | 470.5                                                    |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



### Biological Description

|               |                                                                |
|---------------|----------------------------------------------------------------|
| Description   | ATG7-IN-1 is a selective ATG7 inhibitor with an IC50 of 62 nM. |
| Targets(IC50) | Autophagy                                                      |

### Solubility Information

|            |                                                                                               |
|------------|-----------------------------------------------------------------------------------------------|
| Solubility | DMSO: 5.5 mg/mL (11.69 mM)<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|-----------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 2.1254 mL | 10.627 mL | 21.254 mL |
| 5 mM  | 0.4251 mL | 2.1254 mL | 4.2508 mL |
| 10 mM | 0.2125 mL | 1.0627 mL | 2.1254 mL |
| 50 mM | 0.0425 mL | 0.2125 mL | 0.4251 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.

### Reference

Huang SC, et al. Discovery and optimization of pyrazolopyrimidine sulfamates as ATG7 inhibitors. Bioorg Med Chem. 2020 Oct 1;28(19):115681.  
Zhang W, Chen L, Liu J, et al. Inhibition of autophagy-related protein 7

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