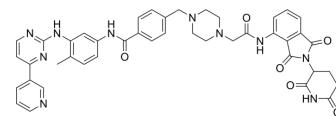


## PROTAC BCR-ABL Degradar-1

|                           |  |          |       |         |  |     |         |            |       |          |  |       |         |
|---------------------------|--|----------|-------|---------|--|-----|---------|------------|-------|----------|--|-------|---------|
| <b>Cat. No.:</b>          | HY-153415  |          |       |         |  |     |         |            |       |          |  |       |         |
| <b>Molecular Formula:</b> | C <sub>43</sub> H <sub>40</sub> N <sub>10</sub> O <sub>6</sub>   |          |       |         |  |     |         |            |       |          |  |       |         |
| <b>Molecular Weight:</b>  | 792.84   |          |       |         |  |     |         |            |       |          |  |       |         |
| <b>Target:</b>            | PROTACs; Bcr-Abl   |          |       |         |  |     |         |            |       |          |  |       |         |
| <b>Pathway:</b>           | PROTAC; Protein Tyrosine Kinase/RTK  |          |       |         |  |     |         |            |       |          |  |       |         |
| <b>Storage:</b>           | <table border="0"> <tr> <td>Powder</td> <td>-20°C</td> <td>3 years</td> </tr> <tr> <td></td> <td>4°C</td> <td>2 years</td> </tr> <tr> <td>In solvent</td> <td>-80°C</td> <td>6 months</td> </tr> <tr> <td></td> <td>-20°C</td> <td>1 month</td> </tr> </table> | Powder   | -20°C | 3 years |  | 4°C | 2 years | In solvent | -80°C | 6 months |  | -20°C | 1 month |
| Powder                    | -20°C  | 3 years  |       |         |  |     |         |            |       |          |  |       |         |
|                           | 4°C  | 2 years  |       |         |  |     |         |            |       |          |  |       |         |
| In solvent                | -80°C  | 6 months |       |         |  |     |         |            |       |          |  |       |         |
|                           | -20°C  | 1 month  |       |         |  |     |         |            |       |          |  |       |         |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (126.13 mM; Need ultrasonic)

| Preparing Stock Solutions | Concentration | Mass      |           |            |
|---------------------------|---------------|-----------|-----------|------------|
|                           |               | 1 mg      | 5 mg      | 10 mg      |
|                           | 1 mM          | 1.2613 mL | 6.3064 mL | 12.6129 mL |
|                           | 5 mM          | 0.2523 mL | 1.2613 mL | 2.5226 mL  |
|                           | 10 mM         | 0.1261 mL | 0.6306 mL | 1.2613 mL  |

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 2.5 mg/mL (3.15 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: 2.5 mg/mL (3.15 mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

PROTAC BCR-ABL Degradar-1 (compound PROTAC 1) is a PROTAC with a 2-oxoethyl linker. PROTAC BCR-ABL Degradar-1 induces Bcr-Abl degradation in a ubiquitinproteasom-dependent manner. PROTAC BCR-ABL Degradar-1 exhibits antiproliferative activity against K562 cells, and has the potential to study cancer<sup>[1]</sup>.

### REFERENCES

- [1]. Li C, et al. Proteolysis Targeting Chimeras (PROTACs) Based on Imatinib Induced Degradation of BCR-ABL in K562 Cells. ChemistrySelect, 2023, 8(15): e202300095.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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