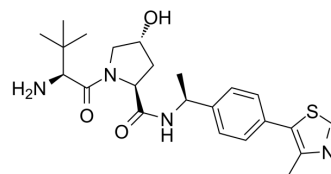


## (S,R,S)-AHPC-Me

|                           |   |       |          |
|---------------------------|---|-------|----------|
| <b>Cat. No.:</b>          | HY-112078   |       |          |
| <b>CAS No.:</b>           | 1948273-02-6  |       |          |
| <b>Molecular Formula:</b> | C <sub>23</sub> H <sub>32</sub> N <sub>4</sub> O <sub>3</sub> S |       |          |
| <b>Molecular Weight:</b>  | 444.59  |       |          |
| <b>Target:</b>            | Ligands for E3 Ligase   |       |          |
| <b>Pathway:</b>           | PROTAC  |       |          |
| <b>Storage:</b>           | Powder  | -20°C | 3 years  |
|                           |   | 4°C   | 2 years  |
|                           | In solvent  | -80°C | 6 months |
|                           |   | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

|   |   |                          |              |            |            |
|---|---|--------------------------|--------------|------------|------------|
| <b>In Vitro</b>   | DMSO : 250 mg/mL (562.32 mM; Need ultrasonic)   |                          |              |            |            |
|   |   | Solvent<br>Concentration | Mass<br>1 mg | 5 mg       | 10 mg      |
|   | <b>Preparing Stock Solutions</b>  | 1 mM                     | 2.2493 mL    | 11.2463 mL | 22.4926 mL |
|   |   | 5 mM                     | 0.4499 mL    | 2.2493 mL  | 4.4985 mL  |
| 10 mM   |   | 0.2249 mL                | 1.1246 mL    | 2.2493 mL  |            |
| Please refer to the solubility information to select the appropriate solvent. |   |                          |              |            |            |
| <b>In Vivo</b>  | <ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline<br/>Solubility: ≥ 2.08 mg/mL (4.68 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline)<br/>Solubility: ≥ 2.08 mg/mL (4.68 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil<br/>Solubility: ≥ 2.08 mg/mL (4.68 mM); Clear solution</li> </ol> |                          |              |            |            |

### BIOLOGICAL ACTIVITY

|                                     |   |
|-------------------------------------|---|
| <b>Description</b>                  | (S,R,S)-AHPC-Me (VHL ligand 2) is the (S,R,S)-AHPC-based VHL ligand used in the recruitment of the von Hippel-Lindau (VHL) protein <sup>[1]</sup> . (S,R,S)-AHPC-Me can be used to synthesize ARV-771, a von Hippel-Lindau (VHL) E3 ligase-based BET PROTAC degrader. ARV-771 potently degrades BET protein in castration-resistant prostate cancer (CRPC) cells with a DC <sub>50</sub> <1 nM <sup>[2]</sup> . |
| <b>IC<sub>50</sub> &amp; Target</b> | VHL   |

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## REFERENCES

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[1]. Raina K, et al. PROTAC-induced BET protein degradation as a therapy for castration-resistant prostate cancer. Proc Natl Acad Sci U S A. 2016 Jun 28;113(26):7124-9.

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

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