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

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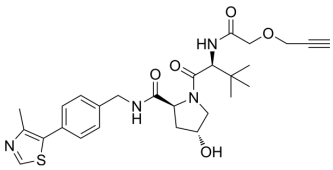
|---|---|
| **Cat. No.:** | HY-126456 |
| **CAS No.:** | 2098799-78-9 |
| **Molecular Formula:** | $C_{27}H_{34}N_4O_5S$ |
| **Molecular Weight:** | 526.65 |
| **Target:** | Ligands for E3 Ligase |
| **Pathway:** | PROTAC |
| **Storage:** | Powder -20°C 3 years<br>4°C 2 years<br>In solvent -80°C 6 months<br>-20°C 1 month |



## SOLVENT & SOLUBILITY

**In Vitro**

DMSO : 100 mg/mL (189.88 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|---|
| | 1 mM | 1.8988 mL | 9.4940 mL | 18.9879 mL |
| | 5 mM | 0.3798 mL | 1.8988 mL | 3.7976 mL |
| | 10 mM | 0.1899 mL | 0.9494 mL | 1.8988 mL |

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

**In Vivo**

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (4.75 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (4.75 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (4.75 mM); Clear solution

## BIOLOGICAL ACTIVITY

**Description**

(S,R,S)-AHPC-propargyl (VH032-propargyl) is a VHL ligand which is used in “click reaction” for PROTACs[1]. (S,R,S)-AHPC-propargyl is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

## CUSTOMER VALIDATION

- ACS Pharmacol Transl Sci. October 12, 2022.

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## REFERENCES

[1]. Wurz RP, et al. A "Click Chemistry Platform" for the Rapid Synthesis of Bispecific Molecules for Inducing Protein Degradation. J Med Chem. 2018 Jan 25;61(2):453-461.



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