**VH032-PEG3-acetylene**

**Cat. No.:** HY-128767  
**CAS No.:** 2098799-80-3  
**Molecular Formula:** C₃₁H₄₂N₄O₇S  
**Molecular Weight:** 614.75  
**Target:** E3 Ligase Ligand-Linker Conjugate  
**Pathway:** PROTAC  
**Storage:**  
- Powder: -20°C for 3 years, 4°C for 2 years  
- In solvent: -80°C for 6 months, -20°C for 1 month

**SOLVENT & SOLUBILITY**

**In Vitro**  
DMSO: 50 mg/mL (81.33 mM; Need ultrasonic)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>1.6267 mL</td>
<td>8.1334 mL</td>
<td>16.2668 mL</td>
<td></td>
</tr>
<tr>
<td>5 mM</td>
<td>0.3253 mL</td>
<td>1.6267 mL</td>
<td>3.2534 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td>0.1627 mL</td>
<td>0.8133 mL</td>
<td>1.6267 mL</td>
<td></td>
</tr>
</tbody>
</table>

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 (4.07 mM); Clear solution  
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
   Solubility: ≥ 2.5 mg/mL (4.07 mM); Clear solution

**BIOLOGICAL ACTIVITY**

**Description**  
VH032-PEG3-acetylene is a synthesized E3 ligase ligand-linker conjugate that incorporates the VH032 based VHL ligand and a linker used in PROTAC technology.[1]

**IC₅₀ & Target**  
VHL

**REFERENCES**

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

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