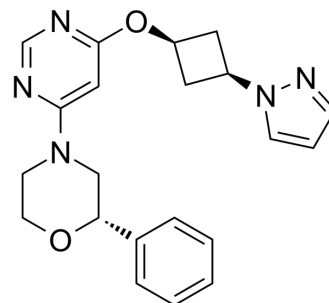


## ELOVL1-IN-3

<b>Cat. No.:</b>	HY-145272		
<b>CAS No.:</b>	2761063-99-2		
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>23</sub> N <sub>5</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	377.44		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Pure form	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (264.94 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.6494 mL	13.2471 mL	26.4943 mL
	5 mM		0.5299 mL	2.6494 mL	5.2989 mL
	10 mM		0.2649 mL	1.3247 mL	2.6494 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 (6.62 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (6.62 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (6.62 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

ELOVL1-IN-3 (Compound 22) is a potent and orally active inhibitor of elongation of very long chain fatty acid 1 (ELOVL1) enzyme. ELOVL1-IN-3 serves as a useful tool for researching adrenoleukodystrophy (ALD)<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

ELOVL1<sup>[1]</sup>

### REFERENCES

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

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