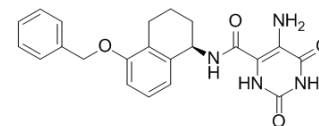


## Endothelial lipase inhibitor-1

Cat. No.:	HY-112911		
CAS No.:	1466427-02-0		
Molecular Formula:	C <sub>22</sub> H <sub>22</sub> N <sub>4</sub> O <sub>4</sub>		
Molecular Weight:	406.43		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (61.51 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.4604 mL	12.3022 mL	24.6045 mL
		5 mM		0.4921 mL	2.4604 mL	4.9209 mL
		10 mM		0.2460 mL	1.2302 mL	2.4604 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 (6.15 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Endothelial lipase inhibitor-1 is a potent endothelial lipase inhibitor with an IC <sub>50</sub> of 49 nM.
IC <sub>50</sub> & Target	IC <sub>50</sub> : 49 nM (Endothelial lipase) <sup>[1]</sup>

### REFERENCES

[1]. Hu CH, et al. Discovery and synthesis of tetrahydropyrimidinedione-4-carboxamides as endothelial lipase inhibitors. *Bioorg Med Chem Lett*. 2018 Dec 15;28(23-24):3721-3725.

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

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