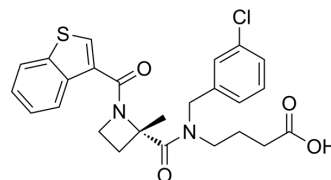


## (S)-GLPG0974

<b>Cat. No.:</b>	HY-12940A		
<b>CAS No.:</b>	2326220-69-1		
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>25</sub> ClN <sub>2</sub> O <sub>4</sub> S		
<b>Molecular Weight:</b>	485		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<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 : 105 mg/mL (216.49 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	2.0619 mL	10.3093 mL	20.6186 mL
		5 mM	0.4124 mL	2.0619 mL	4.1237 mL
10 mM		0.2062 mL	1.0309 mL	2.0619 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 5.25 mg/mL (10.82 mM); Suspended solution; Need ultrasonic  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5.25 mg/mL (10.82 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	(S)-GLPG0974 is the isomer of GLPG0974 (HY-12940), and can be used as an experimental control. GLPG0974 is a free fatty acid receptor-2 (FFA2/GPR43) antagonist with an IC <sub>50</sub> of 9 nM.
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### REFERENCES

[1]. Pizzonero M, et al. Discovery and optimization of an azetidine chemical series as a free fatty acid receptor 2 (FFA2) antagonist: from hit to clinic. J Med Chem. 2014 Dec 11;57(23):10044-57.

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

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