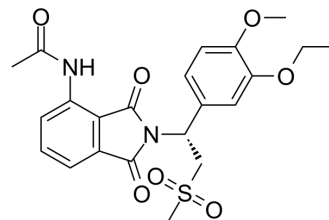


(R)-Apremilast

Cat. No.:	HY-I0636		
CAS No.:	608141-44-2		
Molecular Formula:	C ₂₂ H ₂₄ N ₂ O ₇ S		
Molecular Weight:	460.5		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (217.16 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.1716 mL	10.8578 mL	21.7155 mL
	5 mM		0.4343 mL	2.1716 mL	4.3431 mL
	10 mM		0.2172 mL	1.0858 mL	2.1716 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 12.5 mg/mL (27.14 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (5.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (5.43 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(R)-Apremilast ((R)-CC-10004) is a enantiomer of Apremilast^[1].

REFERENCES

[1]. Synthesis of Substituted β-Functionalised Styrenes by Microwave-Assisted Olefin

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

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