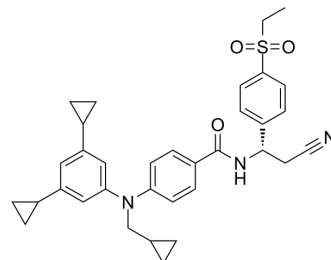


RORyt agonist 3

Cat. No.:	HY-142938		
CAS No.:	2664106-24-3		
Molecular Formula:	C ₃₄ H ₃₇ N ₃ O ₃ S		
Molecular Weight:	567.74		
Target:	ROR		
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor		
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 : 100 mg/mL (176.14 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.7614 mL	8.8068 mL	17.6137 mL
	5 mM	0.3523 mL	1.7614 mL	3.5227 mL
	10 mM	0.1761 mL	0.8807 mL	1.7614 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 (4.40 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (4.40 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

RORyt agonist 3 is a potent agonist of RORyt. RORyt agonist 3 promotes the differentiation of Th17 cells and enhances the levels of pro-inflammatory cytokines, thereby increasing the cytotoxicity of lymphocytes. RORyt agonist 3 inhibits the production of regulatory T cells, which suppresses the immune response (extracted from patent WO2021136326A1, compound 23)^[1].

REFERENCES

- [1]. Liu Bin, et al. Aromatic amides and their use in pharmaceuticals. Patent WO2021136326A1.

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

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