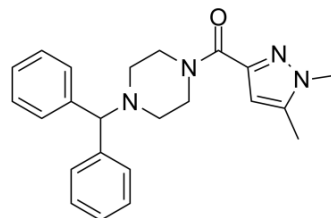


TLX agonist 1

Cat. No.:	HY-135572		
CAS No.:	958323-31-4		
Molecular Formula:	C ₂₃ H ₂₆ N ₄ O		
Molecular Weight:	374.48		
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 : 62.5 mg/mL (166.90 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.6704 mL	13.3518 mL	26.7037 mL
	5 mM		0.5341 mL	2.6704 mL	5.3407 mL
	10 mM		0.2670 mL	1.3352 mL	2.6704 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: ≥ 2.08 mg/mL (5.55 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (5.55 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (5.55 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

TLX agonist 1 (ccrp2) is an orphan nuclear receptor tailless (TLX, NR2E1) modulator (EC₅₀=1μM; K_d= 650 nM). TLX agonist 1 potentiates TLX transcriptional repressive activity^[1].

REFERENCES

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

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