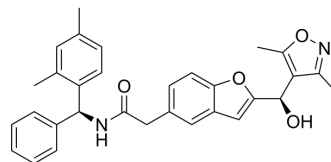


TMP780

Cat. No.:	HY-102075B		
CAS No.:	1422053-03-9		
Molecular Formula:	C ₃₁ H ₃₀ N ₂ O ₄		
Molecular Weight:	494.58		
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 : 220 mg/mL (444.82 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.0219 mL	10.1096 mL	20.2192 mL
		5 mM	0.4044 mL	2.0219 mL	4.0438 mL
10 mM		0.2022 mL	1.0110 mL	2.0219 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: 5.5 mg/mL (11.12 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5.5 mg/mL (11.12 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	TMP780 is an inverse agonist of ROR γ t with an IC ₅₀ of 13 nM. ROR γ t is a tractable agent target for the treatment of cutaneous inflammatory disorders ^[1] .
IC ₅₀ & Target	IC50: 13 nM (ROR γ t) ^[1]

REFERENCES

[1]. Skepner J, et al. Pharmacologic inhibition of ROR γ t regulates Th17 signature gene expression and suppresses cutaneous inflammation in vivo. J Immunol. 2014 Mar

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

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