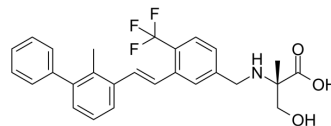


PD-1-IN-24

Cat. No.:	HY-134886
CAS No.:	2360909-50-6
Molecular Formula:	C ₂₇ H ₂₆ F ₃ NO ₃
Molecular Weight:	469.5
Target:	PD-1/PD-L1
Pathway:	Immunology/Inflammation
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (212.99 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.1299 mL	10.6496 mL	21.2993 mL
		5 mM		0.4260 mL	2.1299 mL	4.2599 mL
	10 mM		0.2130 mL	1.0650 mL	2.1299 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 mg/mL (10.65 mM); Suspended solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (10.65 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (10.65 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	PD-1-IN-24 (compound 1) is an orally active PD-1 inhibitor ^[1] .
In Vivo	PD-1-IN-24 (compound 1, 15mg/kg, PO, BID) exhibits TGI(%) of 19.96% in the subcutaneous 4T1 murine breast cancer model in BALB/c mice ^[1] . PD-1-IN-24 (compound 1, 15mg/kg, PO, BID) dose-dependently inhibits tumor growth in the Bl6F10 models with TGI% of 35.59% (30 mg/kg), 38.87% (60 mg/kg) and 47.35% (120 mg/kg), respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wang, Yuguang, et al. Combination of small molecule inhibitor of the PD-1/PD-L1 interaction and anti-PD-1 antibody for treatment of cancer. Patent WO 2021052386.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA