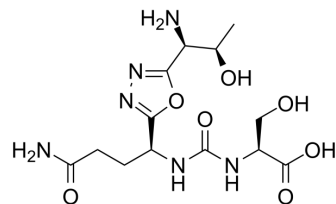


PD-1-IN-17

Cat. No.:	HY-101097
CAS No.:	1673560-66-1
Molecular Formula:	C ₁₃ H ₂₂ N ₆ O ₇
Molecular Weight:	374.35
Target:	PD-1/PD-L1
Pathway:	Immunology/Inflammation
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (333.91 mM; Need ultrasonic)
 H₂O : ≥ 100 mg/mL (267.13 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		2.6713 mL	13.3565 mL	26.7130 mL
	5 mM		0.5343 mL	2.6713 mL	5.3426 mL
	10 mM		0.2671 mL	1.3356 mL	2.6713 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 (5.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (5.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (5.56 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PD-1-IN-17 is a programmed cell death-1 (PD-1) inhibitor extracted from patent WO2015033301A1, Compound 12, inhibits 92% splenocyte proliferation at 100 nM^[1].

IC₅₀ & Target

PD-1^[1]

REFERENCES

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

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