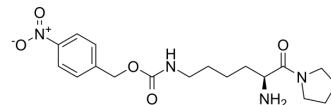


DPP-IV-IN-2

Cat. No.:	HY-108319		
CAS No.:	136259-18-2		
Molecular Formula:	C ₁₈ H ₂₆ N ₄ O ₅		
Molecular Weight:	378.42		
Target:	Dipeptidyl Peptidase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (528.51 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
	Preparing Stock Solutions	1 mM	2.6426 mL	13.2128 mL
	5 mM	0.5285 mL	2.6426 mL	5.2851 mL
	10 mM	0.2643 mL	1.3213 mL	2.6426 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 (13.21 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (13.21 mM); Clear solution			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (13.21 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	DPP-IV-IN-2 is an inhibitor of both dipeptidyl peptidase IV (DPIV) and DP8/9 with IC ₅₀ s of 0.1 and 0.95 μM, respectively.
IC ₅₀ & Target	IC ₅₀ : 0.1 μM (DPIV), 0.95 μM (DP8/9) ^[1]

REFERENCES

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

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