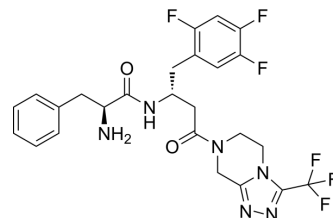


Sitagliptin fenilalanil

Cat. No.:	HY-147401		
CAS No.:	1339955-03-1		
Molecular Formula:	C ₂₅ H ₂₄ F ₆ N ₆ O ₂		
Molecular Weight:	554.49		
Target:	Dipeptidyl Peptidase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (450.86 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	1.8035 mL	9.0173 mL	18.0346 mL
		5 mM	0.3607 mL	1.8035 mL	3.6069 mL
		10 mM	0.1803 mL	0.9017 mL	1.8035 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.75 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.75 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Sitagliptin fenilalanil is a dipeptidyl aminopeptidase 4 (DPP-4) inhibitor ^[1] .
IC₅₀ & Target	DPP-4

REFERENCES

[1]. International Nonproprietary Names for Pharmaceutical Substances (INN). WHO Drug Information, Vol. 36, No. 2, 2022.

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

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