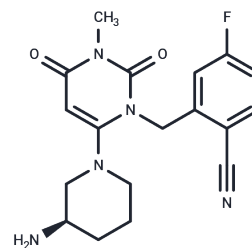


Trelagliptin

Chemical Properties

CAS No. :	865759-25-7
Formula:	C ₁₈ H ₂₀ FN ₅ O ₂
Molecular Weight:	357.38
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Trelagliptin (SYR-472) is a highly specific, long-acting DPP-4 inhibitor.
Targets(IC50)	Proteasome,DPP-4

Solubility Information

Solubility	Ethanol: 3 mg/mL (8.39 mM),Heating is recommended. DMSO: 55 mg/mL (153.9 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.6 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7981 mL	13.9907 mL	27.9814 mL
5 mM	0.5596 mL	2.7981 mL	5.5963 mL
10 mM	0.2798 mL	1.3991 mL	2.7981 mL
50 mM	0.056 mL	0.2798 mL	0.5596 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Inagaki N, et al. Lancet Diabetes Endocrinol. 2014, 2(2), 125-132.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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