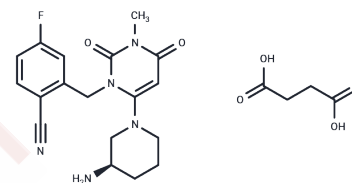


Trelagliptin succinate

Chemical Properties

CAS No. :	1029877-94-8
Formula:	C ₂₂ H ₂₆ N ₅ O ₆
Molecular Weight:	475.47
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 succinate (SYR-472 succinate) is a long-acting inhibitor of dipeptidyl peptidase-4 (DPP-4), being developed for the treatment of type 2 diabetes (T2D).
Targets(IC50)	Proteasome,DPP-4

Solubility Information

Solubility	DMSO: 55 mg/mL (115.68 mM),Sonication is recommended. (< 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 (4.21 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	2.1032 mL	10.5159 mL	21.0318 mL
5 mM	0.4206 mL	2.1032 mL	4.2064 mL
10 mM	0.2103 mL	1.0516 mL	2.1032 mL
50 mM	0.0421 mL	0.2103 mL	0.4206 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

McKeage K. Drugs. 2015 Jul;75(10):1161-4.2. Inagaki N, et al. Lancet Diabetes Endocrinol. 2015 Mar;3(3):191-7.

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