

Retagliptin Phosphate

Chemical Properties

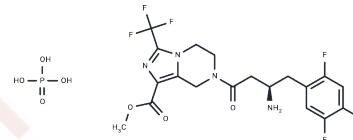
CAS No. : 1256756-88-3

Formula: C₁₉H₂₁F₆N₄O₇P

Molecular Weight: 562.36

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Retagliptin Phosphate (SP 2086) is pharmaceutical composition of DPP-4 inhibitor, for treating type-2 diabetes.
Targets(IC50)	Proteasome,DPP-4

Solubility Information

Solubility	DMSO: ≥ 150 mg/mL (266.73 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 (3.56 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	1.7782 mL	8.8911 mL	17.7822 mL
5 mM	0.3556 mL	1.7782 mL	3.5564 mL
10 mM	0.1778 mL	0.8891 mL	1.7782 mL
50 mM	0.0356 mL	0.1778 mL	0.3556 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

Hu C, et al. Pharmacokinetics of Phosphate Retagliptin Tablet in Patients with Renal Dysfunction. Sichuan Da Xue Xue Bao Yi Xue Ban. 2018 Jan;49(1):74-80.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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