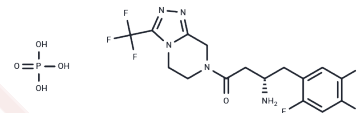


(S)-Sitagliptin phosphate

Chemical Properties

CAS No. :	823817-58-9
Formula:	C ₁₆ H ₁₈ F ₆ N ₅ O ₅ P
Molecular Weight:	505.314
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	(S)-Sitagliptin phosphate, the less active S-enantiomer of Sitagliptin phosphate, is a high-potency inhibitor of DPP4. It exhibits an IC ₅₀ of 19 nM in Caco-2 cell extracts.
Targets(IC ₅₀)	Others,Proteasome,Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.979 mL	9.8949 mL	19.7898 mL
5 mM	0.3958 mL	1.979 mL	3.958 mL
10 mM	0.1979 mL	0.9895 mL	1.979 mL
50 mM	0.0396 mL	0.1979 mL	0.3958 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

Chi-Hung Ho, et al. Biocatalytic Continuous Manufacturing of Diabetes Drug: Plantwide Process Modeling, Optimization, and Environmental and Economic Analysis. ACS Sustainable Chem. Eng. 2019, 7, 1, 1038-1051.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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