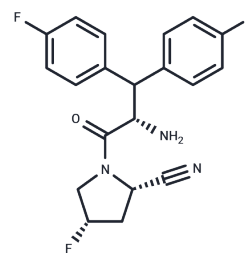


Denagliptin

Chemical Properties

CAS No. :	483369-58-0
Formula:	C ₂₀ H ₁₈ F ₃ N ₃ O
Molecular Weight:	373.37
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	Denagliptin is a small molecule dipeptidyl peptidase IV (DPP-4) inhibitor for the treatment of endocrine & metabolic diseases and can be used in the study of type 2 diabetes.
Targets(IC50)	Endogenous Metabolite,DPP-4

Solubility Information

Solubility	DMSO: 50 mg/mL (133.92 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6783 mL	13.3915 mL	26.7831 mL
5 mM	0.5357 mL	2.6783 mL	5.3566 mL
10 mM	0.2678 mL	1.3392 mL	2.6783 mL
50 mM	0.0536 mL	0.2678 mL	0.5357 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

Joshi BK, et al. Elucidating the pathways of degradation of denagliptin. J Pharm Sci. 2010;99(7):3030-3040.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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