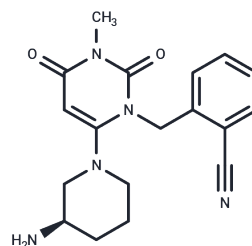


Alogliptin

Chemical Properties

CAS No. :	850649-61-5
Formula:	C ₁₈ H ₂₁ N ₅ O ₂
Molecular Weight:	339.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Alogliptin (SYR-322)(SYR-322) is a potent, selective inhibitor of DPP-4 with IC ₅₀ of <10 nM, exhibits greater than 10, 000-fold selectivity over DPP-8 and DPP-9.
Targets(IC ₅₀)	Ferroptosis,Proteasome,DPP-4

Solubility Information

Solubility	DMSO: 68 mg/mL (200.36 mM),Sonication is recommended. H ₂ O: 2 mg/mL (5.89 mM),Sonication is recommended. Ethanol: 60 mg/mL (176.79 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	2.9465 mL	14.7323 mL	29.4646 mL
5 mM	0.5893 mL	2.9465 mL	5.8929 mL
10 mM	0.2946 mL	1.4732 mL	2.9465 mL
50 mM	0.0589 mL	0.2946 mL	0.5893 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.

Reference

- Feng J, et al. J Med Chem, 2007, 50(10), 2297-2300.
Asakawa T, et al. Life Sci, 2009, 85(3-4), 122-126.

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