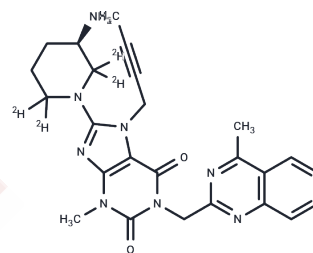


Linagliptin-D4

Chemical Properties

CAS No. :	2140263-92-7
Formula:	C ₂₅ H ₂₄ D ₄ N ₈ O ₂
Molecular Weight:	476.57
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	Linagliptin-D4 is a deuterated compound of Linagliptin. Linagliptin (T0191) has a CAS number of 668270-12-0. Linagliptin (T0191) is a potent, orally bioavailable dihydropurinedione-based inhibitor of dipeptidyl peptidase 4 (DPP-4), with hypoglycemic activity.
Targets(IC50)	Ferroptosis, Proteasome, Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0983 mL	10.4916 mL	20.9833 mL
5 mM	0.4197 mL	2.0983 mL	4.1967 mL
10 mM	0.2098 mL	1.0492 mL	2.0983 mL
50 mM	0.042 mL	0.2098 mL	0.4197 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

- Eckhardt M, et al. J Med Chem. 2007, 50(26), 6450-6453.

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