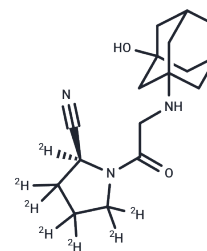


Vildagliptin-D7

Chemical Properties

CAS No. :	1133208-42-0
Formula:	C ₁₇ H ₁₈ D ₇ N ₃ O ₂
Molecular Weight:	310.44
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	Vildagliptin-D7 is a deuterated compound of Vildagliptin. Vildagliptin (T1502) has a CAS number of 274901-16-5. Vildagliptin (T1502) is a cyanopyrrolidine-based, orally bioavailable inhibitor of dipeptidyl peptidase 4 (DPP-4), with hypoglycemic activity. Vildagliptin's cyano moiety undergoes hydrolysis and this inactive metabolite is excreted mainly via the urine.
Targets(IC50)	Apoptosis, Ferroptosis, Proteasome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2212 mL	16.1062 mL	32.2123 mL
5 mM	0.6442 mL	3.2212 mL	6.4425 mL
10 mM	0.3221 mL	1.6106 mL	3.2212 mL
50 mM	0.0644 mL	0.3221 mL	0.6442 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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