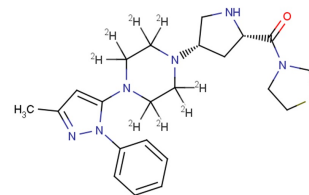


## Teneligliptin D8

## Chemical Properties

CAS No.:	1391012-95-5
Formula:	C <sub>22</sub> H <sub>22</sub> D <sub>8</sub> N <sub>6</sub> O <sub>2</sub> S
Molecular Weight:	434.63
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Teneligliptin D8 a deuterium labeled Teneligliptin (MP-513). Teneligliptin is a potent, orally available, competitive, and long-lasting inhibitor of DPP-4.
Targets(IC <sub>50</sub> )	Others: None

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.301 mL	11.504 mL	23.008 mL
5 mM	0.46 mL	2.301 mL	4.602 mL
10 mM	0.23 mL	1.15 mL	2.301 mL
50 mM	0.046 mL	0.23 mL	0.46 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Fukuda-Tsuru S, et al. A novel, potent, and long-lasting dipeptidyl peptidase-4 inhibitor, teneligliptin, improves postprandial hyperglycemia and dyslipidemia after single and repeated administrations. Eur J Pharmacol. 2012 Dec 5;696(1-3):194-202.

Inhibitors · Natural Compounds · Compound Libraries

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