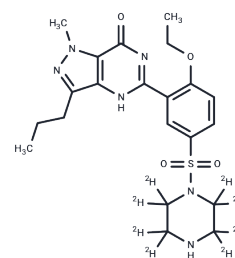


N-Desmethyl Sildenafil-D8

Chemical Properties

CAS No. :	1185168-06-2
Formula:	C ₂₁ H ₂₀ D ₈ N ₆ O ₄ S
Molecular Weight:	468.60
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	N-Desmethyl Sildenafil-D8 is a deuterated compound of N-Desmethyl Sildenafil. N-Desmethyl Sildenafil (T36061) has a CAS number of 139755-82-1. N-Desmethyl Sildenafil (T36061) (Desmethylsildenafil) is a prominent metabolite of Sildenafil, a potent inhibitor of phosphodiesterase type 5 (PDE5).
Targets(IC50)	PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.134 mL	10.6701 mL	21.3402 mL
5 mM	0.4268 mL	2.134 mL	4.268 mL
10 mM	0.2134 mL	1.067 mL	2.134 mL
50 mM	0.0427 mL	0.2134 mL	0.4268 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

1. Péter Barabás, et al. Sildenafil, N-desmethyl-sildenafil and Zaprinast enhance photoreceptor response in the isolated rat retina. *Neurochem Int.* 2003 Nov;43(6):591-5.

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