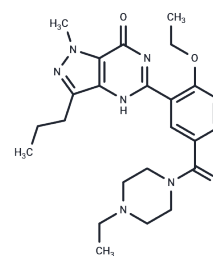


Carbodenafil

Chemical Properties

CAS No. :	944241-52-5
Formula:	C ₂₄ H ₃₂ N ₆ O ₃
Molecular Weight:	452.55
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	Carbodenafil is a Sildenafil related compound found in healthy foods. Sildenafil is a PDE5 inhibitor (IC ₅₀ : 5.22 nM).
Targets(IC ₅₀)	PDE

Solubility Information

Solubility	DMSO: 15 mg/mL (33.15 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	2.2097 mL	11.0485 mL	22.097 mL
5 mM	0.4419 mL	2.2097 mL	4.4194 mL
10 mM	0.221 mL	1.1049 mL	2.2097 mL
50 mM	0.0442 mL	0.221 mL	0.4419 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

Kee CL, et al. Isolation and characterization of N-hydroxyethyl dithio-desethyl carbodenafil from a health supplement. J Pharm Biomed Anal. 2020 Sep 10;189:11343

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