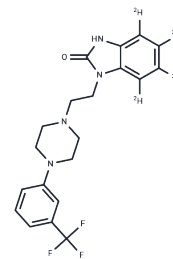


Flibanserin-D4

Chemical Properties

CAS No. :	2122830-90-2
Formula:	C ₂₀ H ₂₁ F ₃ N ₄ O
Molecular Weight:	394.43
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	Flibanserin (T4297), a compound identified as BIMT-17, acts as a complete agonist at the serotonin 5-HT _{1A} receptor, with a binding affinity (K _i) of 1 nM, while functioning as an antagonist at the 5-HT _{2A} receptor with a 49 nM affinity. Flibanserin-D4 represents a deuterium-labeled version of Flibanserin.
Targets(IC ₅₀)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5353 mL	12.6765 mL	25.353 mL
5 mM	0.5071 mL	2.5353 mL	5.0706 mL
10 mM	0.2535 mL	1.2677 mL	2.5353 mL
50 mM	0.0507 mL	0.2535 mL	0.5071 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

Invernizzi RW, et al. Flibanserin, a potential antidepressant drug, lowers 5-HT and raises dopamine and noradrenaline in the rat prefrontal cortex dialysate: role of 5-HT(1A) receptors. Br J Pharmacol. 2003 Aug;139(7): 1281-8.

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