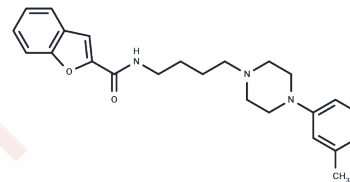


## D3/5-HT receptor modulator-1

## Chemical Properties

CAS No. :	898532-85-9
Formula:	C <sub>24</sub> H <sub>29</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	391.506
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	D3/5-HT receptor modulator-1 (compound 5i) is a selective antagonist of the dopamine D3 and 5-HT <sub>2A</sub> receptors, and a partial agonist at the 5-HT <sub>1A</sub> receptor. It exhibits K <sub>i</sub> values of 4.5 nM, 11.9 nM, and 15.3 nM for the dopamine D <sub>3</sub> , 5-HT <sub>2A</sub> , and 5-HT <sub>1A</sub> receptors respectively. The compound shows lower affinity for the dopamine D <sub>2</sub> receptor, 5-HT <sub>2C</sub> receptor, and hERG channel. D3/5-HT receptor modulator-1 possesses atypical antipsychotic properties.
Targets(IC50)	5-HT Receptor, Dopamine Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5542 mL	12.7711 mL	25.5421 mL
5 mM	0.5108 mL	2.5542 mL	5.1084 mL
10 mM	0.2554 mL	1.2771 mL	2.5542 mL
50 mM	0.0511 mL	0.2554 mL	0.5108 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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