

## Fluvoxamine-D4 maleate

## Chemical Properties

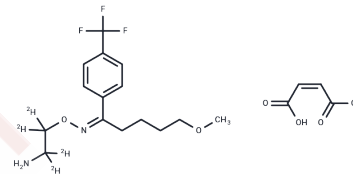
CAS No. :

Formula: C19H21D4F3N2O6

Molecular Weight: 438.43

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	Fluvoxamine-D4 maleate is a deuterated derivative of Fluvoxamine maleate (TMSM-3427). As a selective serotonin reuptake inhibitor (SSRI), it exerts antidepressant pharmacological activity and is a commonly used clinical antidepressant.
Targets(IC50)	Serotonin Transporter

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2809 mL	11.4043 mL	22.8087 mL
5 mM	0.4562 mL	2.2809 mL	4.5617 mL
10 mM	0.2281 mL	1.1404 mL	2.2809 mL
50 mM	0.0456 mL	0.2281 mL	0.4562 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

Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

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