

## Lurasidone-D8 hydrochloride

## Chemical Properties

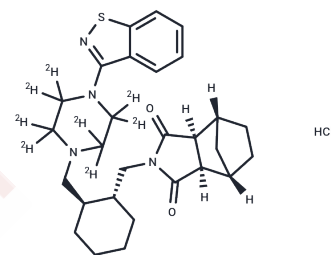
CAS No. :

Formula: C<sub>28</sub>H<sub>29</sub>D<sub>8</sub>ClN<sub>4</sub>O<sub>2</sub>S

Molecular Weight: 537.19

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	Lurasidone-D8 hydrochloride is a deuterated compound of Lurasidone hydrochloride. Lurasidone hydrochloride has a CAS number of 367514-88-3. Lurasidone hydrochloride (T1735) is a thiazole derivative and atypical antipsychotic agent that functions as a dopamine D2 receptor antagonist; serotonin 5-HT <sub>2</sub> receptor antagonist, serotonin 5-HT <sub>7</sub> receptor antagonist, an antagonist of the adrenergic $\alpha$ <sub>2A</sub> and $\alpha$ <sub>2C</sub> receptors, as well as a partial serotonin 5-HT <sub>1A</sub> receptor agonist. It is used in the treatment of schizophrenia and bipolar disorder.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8615 mL	9.3077 mL	18.6154 mL
5 mM	0.3723 mL	1.8615 mL	3.7231 mL
10 mM	0.1862 mL	0.9308 mL	1.8615 mL
50 mM	0.0372 mL	0.1862 mL	0.3723 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

- Ishibashi T, et al. J Pharmacol Exp Ther, 2010, 334(1), 171-181.

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