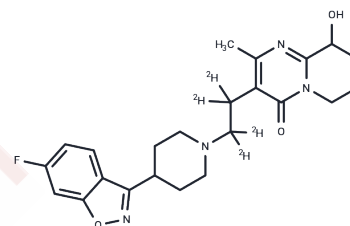


## Paliperidone-D4

## Chemical Properties

CAS No. :	1020719-55-4
Formula:	C23H23D4FN4O3
Molecular Weight:	430.51
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	Paliperidone-D4 is a deuterated compound of Paliperidone. Paliperidone (T0076) has a CAS number of 144598-75-4. Paliperidone (Invega) is used as an atypical antipsychotic. It applies to the acute and maintenance treatment of schizophrenia. Chemically, paliperidone is the primary active metabolite of the older atypical antipsychotic risperidone.
Targets(IC50)	5-HT Receptor, Adrenergic Receptor, Dopamine Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3228 mL	11.6141 mL	23.2283 mL
5 mM	0.4646 mL	2.3228 mL	4.6457 mL
10 mM	0.2323 mL	1.1614 mL	2.3228 mL
50 mM	0.0465 mL	0.2323 mL	0.4646 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

- Zhu HJ, et al. Neuropsychopharmacology, 2007, 32(4), 757-764.

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