

## D4R antagonist-1

## Chemical Properties

CAS No. :

Formula: C<sub>21</sub>H<sub>25</sub>F<sub>2</sub>NO<sub>2</sub>

Molecular Weight: 361.43

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	D4R Antagonist-1, characterized by its potent and selective antagonistic action against D4 receptors with an IC <sub>50</sub> value of 6.87 μM, holds potential for Parkinson's disease research [1].
Targets(IC <sub>50</sub> )	Others,Dopamine Receptor
In vitro	D4R antagonist-1 (compound 8c) demonstrates significant activity with a K <sub>i</sub> of 135 nM [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7668 mL	13.8339 mL	27.6679 mL
5 mM	0.5534 mL	2.7668 mL	5.5336 mL
10 mM	0.2767 mL	1.3834 mL	2.7668 mL
50 mM	0.0553 mL	0.2767 mL	0.5534 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.

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