

## D3R/MOR antagonist 1

## Chemical Properties

CAS No. :

Formula: C<sub>22</sub>H<sub>27</sub>Cl<sub>2</sub>N<sub>3</sub>O

Molecular Weight: 420.38

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	Compound 114 (D3R/MOR antagonist 1) exhibits dual antagonistic activity at dopamine D3 receptors (D3R) and mu-opioid receptors (MOR), with K <sub>i</sub> values of 46.5 nM and 691 nM, respectively. It offers analgesic benefits through partial agonism at MOR and may decrease the risk of opioid misuse through its D3R antagonistic properties [1].
Targets(IC50)	Opioid Receptor, Dopamine Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3788 mL	11.894 mL	23.788 mL
5 mM	0.4758 mL	2.3788 mL	4.7576 mL
10 mM	0.2379 mL	1.1894 mL	2.3788 mL
50 mM	0.0476 mL	0.2379 mL	0.4758 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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