

## D3R ligand 1

## Chemical Properties

CAS No. :

Formula: C<sub>27</sub>H<sub>37</sub>N<sub>5</sub>O<sub>5</sub>

Molecular Weight: 455.59

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	D3R Ligand 1 (compound 23b) is a potent, selective antagonist of the dopamine D3 receptor (K <sub>i</sub> =66 nM), incorporating a THPB template. It inhibits both G-protein- and β-arrestin-mediated signaling pathways [1].
Targets(IC50)	Dopamine Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.195 mL	10.9748 mL	21.9496 mL
5 mM	0.439 mL	2.195 mL	4.3899 mL
10 mM	0.2195 mL	1.0975 mL	2.195 mL
50 mM	0.0439 mL	0.2195 mL	0.439 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481