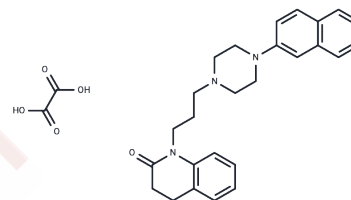


Dopamine D4 receptor ligand 3

Chemical Properties

CAS No. :	3082344-46-2
Formula:	C28H31N3O5
Molecular Weight:	489.56
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	Dopamine D4 receptor ligand 3 (Compound 16) functions as a dopamine D4 receptor (D4R) antagonist with a pKi of 8.86. In HEK-293T cells, it shows pIC50 values of 5.78, 5.55, and 6.17 for Go, Gi, and βArr2 sensors, respectively. This compound inhibits the activity of human glioma cell lines U87 MG, T98G, and U251 MG, and it induces ROS production and mitochondrial dysfunction in these glioma cells.
Targets(IC50)	Reactive Oxygen Species, Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0427 mL	10.2133 mL	20.4265 mL
5 mM	0.4085 mL	2.0427 mL	4.0853 mL
10 mM	0.2043 mL	1.0213 mL	2.0427 mL
50 mM	0.0409 mL	0.2043 mL	0.4085 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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