

UCSF924

Chemical Properties

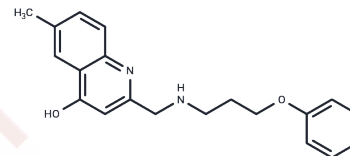
CAS No. : 1434515-70-4

Formula: C₂₀H₂₂N₂O₂

Molecular Weight: 322.4

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	UCSF924 is a potent and specific agonist of the dopamine D4 receptor (DRD4) with an EC ₅₀ of 4.2 nM and a K _i of 3 nM.
Targets(IC ₅₀)	Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1017 mL	15.5087 mL	31.0174 mL
5 mM	0.6203 mL	3.1017 mL	6.2035 mL
10 mM	0.3102 mL	1.5509 mL	3.1017 mL
50 mM	0.062 mL	0.3102 mL	0.6203 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

Wang S, et al. D4 dopamine receptor high-resolution structures enable the discovery of selective agonists. Science. 2017 Oct 20;358(6361):381-386.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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