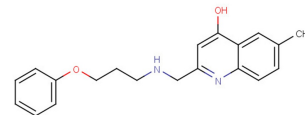


UCSF924

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 1434515-70-4 |
| Formula: | C ₂₀ H ₂₂ N ₂ O ₂ |
| Molecular Weight: | 322.4 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



Biological Description

| | |
|----------------------------|---|
| Description | UCSF924 is a potent and specific agonist of dopamine D4 receptor (DRD4) partial (EC ₅₀ : 4.2 nM, K _i : 3 nM). |
| Targets(IC ₅₀) | dopamine D4 receptor(ki): ki:3 nM |

Solubility Information

| | |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|-----------|
| 1 mM | 3.102 mL | 15.509 mL | 31.017 mL |
| 5 mM | 0.62 mL | 3.102 mL | 6.203 mL |
| 10 mM | 0.31 mL | 1.551 mL | 3.102 mL |
| 50 mM | 0.062 mL | 0.31 mL | 0.62 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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

Inhibitors · Natural Compounds · Compound Libraries

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