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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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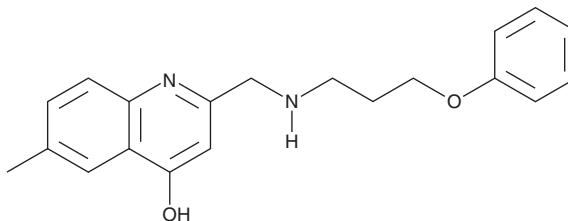
PRODUCT INFORMATION



UCSF924

Item No. 41317

CAS Registry No.: 1434515-70-4
Formal Name: 6-methyl-2-[[[3-phenoxypropyl)amino)methyl]-4-quinolinol
MF: $C_{20}H_{22}N_2O_2$
FW: 322.4
Purity: $\geq 98\%$
Supplied as: A solid
Storage: -20°C
Stability: ≥ 4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

UCSF924 is supplied as a solid. A stock solution may be made by dissolving the UCSF924 in the solvent of choice, which should be purged with an inert gas. UCSF924 is slightly soluble (0.1-1 mg/ml) in acetonitrile and sparingly soluble (1-10 mg/ml) in DMSO.

Description

UCSF924 is a dopamine D_4 receptor agonist.¹ It selectively induces β -arrestin translocation over $G_{\alpha_{i/o}}$ signaling in HEK293T cells expressing human dopamine D_4 receptors by 7.4-fold at 1 μM . UCSF924 selectively induces cAMP accumulation in HEK293T cells expressing human dopamine D_4 receptors ($EC_{50} = 4.2$ nM) over HEK293T cells expressing human dopamine D_2 or dopamine D_3 receptors (EC_{50} s = >10 μM for both) and induces β -arrestin recruitment in HTLA cells expressing human dopamine D_4 receptors over a panel of HTLA cells expressing one of 320 non-olfactory G protein-coupled receptors (GPCRs) at 1 μM .

Reference

1. Wang, S., Wacker, D., Levit, A., et al. D_4 dopamine receptor high-resolution structures enable the discovery of selective agonists. *Science* **358**(6361), 381-386 (2017).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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