

Product Datasheet

U-24969

Catalog No. **BP-02520** · CAS **66611-26-5** · Form **free base** · Physical state **other** · Color **Light yellow to yellow** · Version **1.0** · Revision **2026-09-10**

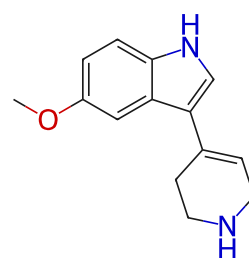
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Target 5-HT Receptor	Research area Neurological Disease
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Molecular formula **C₁₄H₁₆N₂O**

Molecular weight **228.2896**

STRUCTURE



DESCRIPTION

RU 24969 is a preferential 5-HT_{1B} agonist, with a K_i of 0.38 nM, but also displays appreciable affinity for the 5-HT_{1A} receptor (K_i=2.5 nM), and has low affinity for other receptor sites in the brain. RU 24969 could decrease fluid consumption and increase forward locomotion .

BIOLOGICAL ACTIVITY

RU 24969 is a preferential 5-HT_{1B} agonist, with a K_i of 0.38 nM, but also displays appreciable affinity for the 5-HT_{1A} receptor (K_i=2.5 nM), and has low affinity for other receptor sites in the brain. RU 24969 could decrease fluid consumption and increase forward locomotion.

SOLUBILITY

Soluble in DMSO

In vitro DMSO : ≥ 30 mg/mL

REFERENCES

[1].Aronsen D, et, al. RU 24969-produced adipisia and hyperlocomotion: differential role of 5HT 1A and 5HT 1B receptor mechanisms. Pharmacol Biochem Behav. 2014 Sep; 124: 1-4.

[2].Brazell MP, et, al. The 5-HT₁ receptor agonist RU-24969 decreases 5-hydroxytryptamine (5-HT) release and metabolism in the rat frontal cortex in vitro and in vivo. Br J Pharmacol. 1985 Sep; 86(1): 209-16.