

# RU 24969

Catalog No: tcsc3218



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg

**Size:** 250mg

**Size:** 1g

**Size:** 5g



## Specifications

**CAS No:**

66611-26-5

**Formula:**

$C_{14}H_{16}N_2O$

**Pathway:**

Neuronal Signaling;GPCR/G Protein

**Target:**

5-HT Receptor;5-HT Receptor

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 30$  mg/mL (131.41 mM)

**Observed Molecular Weight:**

228.29

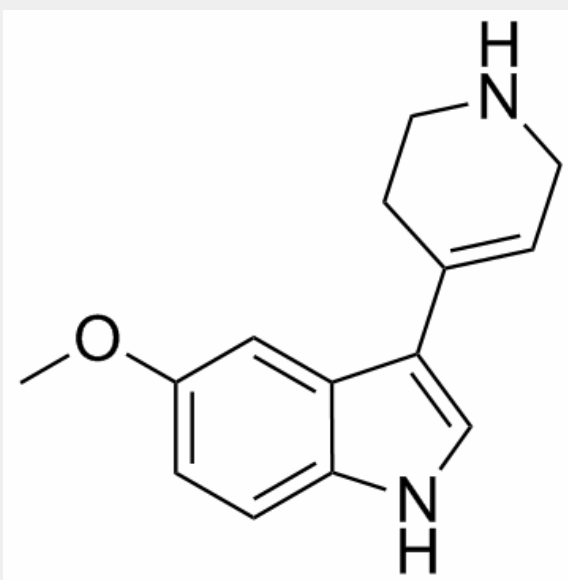
**Product Description**

RU 24969 is a selective agonist at the 5-HT<sub>1A</sub> and 5-HT<sub>1B</sub> receptors;

IC<sub>50</sub> value:

Target: 5-HT<sub>1A/1B</sub> agonist

RU 24969 possesses preference for the purported 5-HT<sub>1B</sub> subtype of central 5-HT<sub>1</sub> recognition site. The reported significant linear correlation between hypotensive activity following intravenous (i.v.) administration to anesthetized rats and affinity for the central 5-HT<sub>1</sub> binding site could only be maintained by incorporation of the affinity of RU 24969 for its low and 8-OH-DPAT for its high affinity binding site [1]. The drug RU 24969 (10 mg/kg) inhibited the rate of synthesis of 5-HT in rat brain by about 50%. Pretreatment of rats with desmethylimipramine over a longer term or clenbuterol given acutely, treatments known to enhance the behavioural responses of rats to various other 5-HT agonists, did not alter the RU 24969-induced response [2]. RU 24969 (0.03-3.0mg/kg, s.c.) dose-dependently decreased water consumption in water deprived rats [3].



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