Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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 : ≥ 30 mg/mL (131.41 mM)

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Observed Molecular Weight:
228.29

Product Description

RU 24969 is a selective agonist at the 5-HT1A and 5-HT1B receptors;

IC50 value:

Target: 5-HT1A/1B agonist

RU 24969 possesses preference for the purported 5-HT1B subtype of central 5-HT1 recognition site. The reported significant linear correlation between hypotensive activity following intravenous (i.v.) administration to anesthetized rats and affinity for the central 5-HT1 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].