

## Product Data Sheet

Product Name: 5-Methoxy-3-(1, 2, 3, 6-tetrahydropyridin-4-yl)-1H-indole succinate(2:1)  
Cat. No.: GF21120

### Chemical Properties

Cas. No. 107008-28-6

Formula C<sub>32</sub>H<sub>38</sub>N<sub>4</sub>O<sub>6</sub> M.Wt 574.67

Solubility DMSO : 120 mg/mL (346.44 mM; Storage Store at RT  
Need ultrasonic)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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RU 24969 succinate is a 5-HT receptor agonist with  $K_i$  values of 0.38 and 2.5 nM for 5-HT<sub>1B</sub> and 5-HT<sub>1A</sub>, respectively. RU 24969 decreases fluid consumption and increases forward locomotion. RU 24969 succinate can be used for the research of neurological disease.

RU 24969 succinate (30 nM-1  $\mu$ M) dose-dependently inhibits  $K^+$  evoked efflux of tritium and shows a  $pD_2$  value of 7.45 for the maximum effect at 1  $\mu$ M [1].

RU 24969 succinate (1 and 3 mg/kg; s.c., once) potentiates addictive agent-induced effects [2]. RU 24969 succinate (0.03-3.0 mg/kg; s.c., once) dose-dependently decreases water consumption in water deprived rats[4].

[1]. Middlemiss DN. The putative 5-HT<sub>1</sub> receptor agonist, RU 24969, inhibits the efflux of 5-hydroxytryptamine from rat frontal cortex slices by stimulation of the 5-HT autoreceptor. J Pharm Pharmacol. 1985 Jun;37(6):434-7.

[2]. Parsons LH, et al. RU 24969, a 5-HT<sub>1B/1A</sub> receptor agonist, potentiates cocaine-induced increases in nucleus accumbens dopamine. Synapse. 1999 May;32(2):132-5.

[3]. Peroutka SJ. Pharmacological differentiation and characterization of 5-HT<sub>1A</sub>, 5-HT<sub>1B</sub>, and 5-HT<sub>1C</sub> binding sites in rat frontal cortex. J Neurochem. 1986 Aug;47(2):529-40.

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

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