

Certificate of Analysis

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Product Name: RU 24969 hemisuccinate

Catalog No.: 0912

Batch No.: 4

CAS Number: 66611-27-6

IUPAC Name: 5-Methoxy-3-(1,2,5,6-tetrahydro-4-pyridinyl)-1*H*-indole hemisuccinate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{14}H_{16}N_2O \cdot \frac{1}{2}C_4H_6O_4$

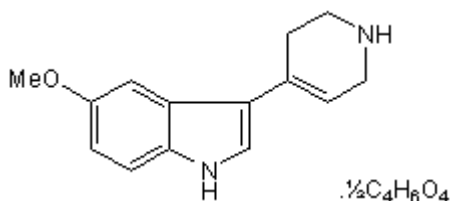
Batch Molecular Weight: 287.34

Physical Appearance: Yellow solid

Solubility: DMSO to 50 mM
water to 30 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: $R_f = 0.45$ (Dichloromethane:Methanol:Ammonia soln. [50:1:0.1])

HPLC: Shows 99.1% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	66.88	6.67	9.75
Found	66.5	6.69	9.73

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Potent 5-HT_{1A/1B} and moderate 5-HT_{2C} agonist that may also release 5-HT. Centrally active following systemic administration.

Physical and Chemical Properties:

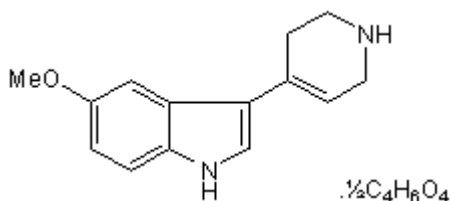
Batch Molecular Formula: C₁₄H₁₆N₂O. $\frac{1}{2}$ C₄H₆O₄

Batch Molecular Weight: 287.34

Physical Appearance: Yellow solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 50 mM

water to 30 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Guillaume et al (1987) Synthesis of 3-(1,2,3,6-tetrahydropyridin-4-yl)-1H-indoles and study of their serotonergic and antidopaminergic properties. *Eur.J.Med.Chem.* **22** 33.

Gudermann et al (1993) Human S31 serotonin receptor clone encodes a 5-hydroxytryptamine_{1E}-like serotonin receptor. *Mol.Pharmacol.* **43** 412. PMID: 8450834.

Tomkins and O'Neill (2000) Effect of 5-HT_{1B} receptor ligands on self-administration of ethanol in an operant procedure in rats. *Pharmacol.Biochem.Behav.* **66** 129. PMID: 10837852.

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