

Product Name: RS 56812 hydrochloride

Catalog No.: 0988

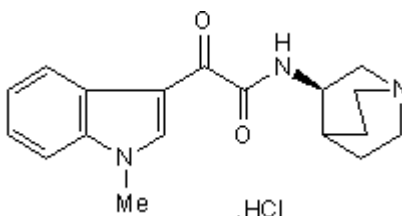
Batch No.: 2

CAS Number: 143339-12-2

IUPAC Name: (R)-N-(1-Azabicyclo[2.2.2]oct-3-yl)-2-(1-methyl-1H-indol-3-yl)-2-oxoacetamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₂₁N₃O₂.HCl
Batch Molecular Weight: 347.8444
Physical Appearance: White solid
Solubility: water to 100 mM
 phosphate buffered saline to 100 mM
 DMSO to 50 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.2 (Dichloromethane:Methanol [3:1])
Melting Point: Between 300 - 301°C
HPLC: Shows >99.7% purity
¹H NMR: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	62.15	6.37	12.08
Found	61.95	6.43	11.95

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

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 USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373
 www.RnDSystems.com

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Description:

A highly potent and selective 5-HT₃ partial agonist, with a pK_i at 5-HT₃ receptors in rat brain of 9.6, and greater than 1000-fold selectivity over a wide range of other neurotransmitter receptors.

Physical and Chemical Properties:

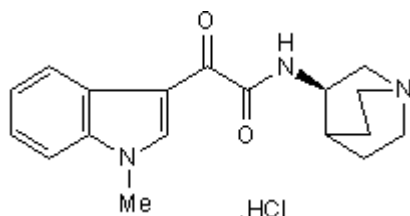
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Batch Molecular Weight: 347.8444

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water to 100 mM

phosphate buffered saline to 100 mM

DMSO to 50 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:

Clark et al (1995) N-(Quinuclidin-3-yl)-2-(1-methyl-1H-indol-3-yl)-2-oxoacetamide: a high affinity 5-HT₃ receptor partial agonist. *Bioorg.Med.Chem.Lett.* **5** 1853.

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