

Product Name: CP 135807

Catalog No.: 3783

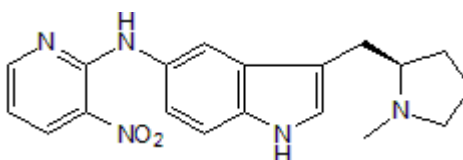
Batch No.: 1

CAS Number: 151272-90-1

IUPAC Name: 3-[[*(2R)*-1-Methyl-2-pyrrolidinyl]methyl]-*N*-(3-nitro-2-pyridinyl)-1*H*-indol-5-amine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₂₁N₅O₂
Batch Molecular Weight: 351.4
Physical Appearance: Brown solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	64.94	6.02	19.93
Found	64.99	6.17	19.89

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

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IUPAC Name: 3-[[[(2R)-1-Methyl-2-pyrrolidinyl]methyl]-N-(3-nitro-2-pyridinyl)-1H-indol-5-amine

Description:

Selective 5-HT_{1D} receptor agonist. Produces dose-dependent decreases in extracellular 5-HT concentration.

Physical and Chemical Properties:

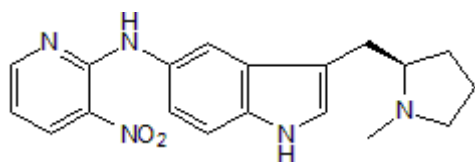
Batch Molecular Formula: C₁₉H₂₁N₅O₂

Batch Molecular Weight: 351.4

Physical Appearance: Brown solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 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:

Mansbach et al (1996) CP-135,807, a selective 5-HT_{1D} agonist: effects in drug discrimination and punishment procedures in the pigeon. *Psychopharmacology* **128** 313. PMID: 8972551.

Rollema et al (1996) Combined administration of a 5-hydroxytryptamine (5-HT)_{1D} antagonist and a 5-HT reuptake inhibitor synergistically increases 5-HT release in guinea pig hypothalamus in vivo. *J.Neurochem.* **67** 2204. PMID: 8863532.

Hertel et al (1999) The antipsychotic drug risperidone interacts with auto- and hetero-receptors regulating serotonin output in the rat frontal cortex. *Neuropharmacology* **38** 1175. PMID: 10462130.

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