

Product Name: SSR 149415

Catalog No.: 6195

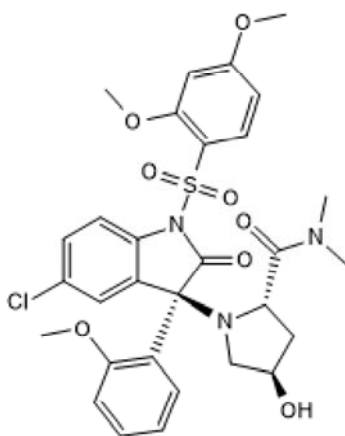
Batch No.: 1

CAS Number: 439687-69-1

IUPAC Name: (2*S*,4*R*)-1-[(3*R*)-5-Chloro-1-[(2,4-dimethoxyphenyl)sulfonyl]-2,3-dihydro-3-(2-methoxyphenyl)-2-oxo-1*H*-indol-3-yl]-4-hydroxy-*N,N*-dimethyl-2-pyrrolidinecarboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₀H₃₂ClN₃O₈S
Batch Molecular Weight: 630.11
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.42 (Dichloromethane:Methanol [95:5])
HPLC: Shows 99.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	57.18	5.12	6.67
Found	57.05	5.14	6.58

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

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Description:

Potent and selective vasopressin V_{1B} antagonist (K_i values are 3.7 and 1.3 nM for native and recombinant rat V_{1b} receptors, respectively). Displays >70-fold selectivity for rat V_{1B} over V_{1A}, V₂ oxytocin and a range of other receptors and ion channels. Inhibits AVP-induced glucagon release in In-R1-G9 α-pancreatic cells in vitro. Inhibits stress-induced ACTH release and exhibits anxiolytic-like effects in anxiety models. Orally bioavailable.

Physical and Chemical Properties:

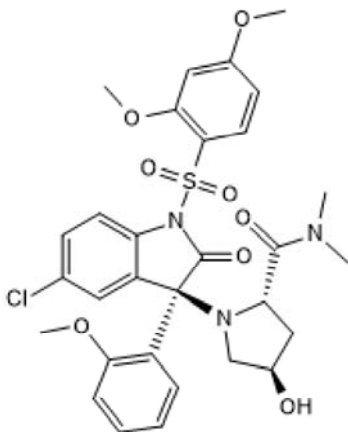
Batch Molecular Formula: C₃₀H₃₂ClN₃O₈S

Batch Molecular Weight: 630.11

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Serradeil-Le Gal et al (2005) An overview of SSR149415, a selective nonpeptide vasopressin V_{1b} receptor antagonist for the treatment of stress-related disorders. *CNS Drug Rev.* **11** 53. PMID: 15867952.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol 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.

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