

Product Name: JNJ 5207787

Catalog No.: 4018

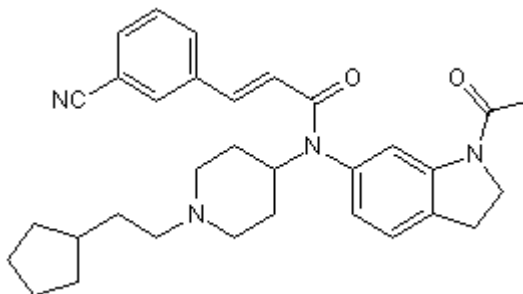
Batch No.: 1

CAS Number: 683746-68-1

IUPAC Name: (2E)-N-(1-Acetyl-2,3-dihydro-1H-indol-6-yl)-3-(3-cyanophenyl)-N-[1-(2-cyclopentylethyl)-4-piperidinyl]-2-propenamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C32H38N4O2
Batch Molecular Weight:	510.67
Physical Appearance:	White solid
Solubility:	DMSO to 10 mM with gentle warming ethanol to 10 mM with gentle warming
Storage:	Store at RT
Batch Molecular Structure:	



2. ANALYTICAL DATA

TLC:	R _f = 0.46 (Dichloromethane:Methanol [9:1])
HPLC:	Shows 98% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure
Microanalysis:	

	Carbon	Hydrogen	Nitrogen
Theoretical	75.26	7.5	10.97
Found	74.78	7.49	10.92

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

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Description:

Selective NPY Y₂ antagonist (IC₅₀ = 0.1 μM). Displays 100-fold selectivity over NPY Y₁, Y₄ and Y₅ receptors; also displays selectivity against a panel of 50 receptors, ion channels and transporters. Brain penetrant.

Physical and Chemical Properties:

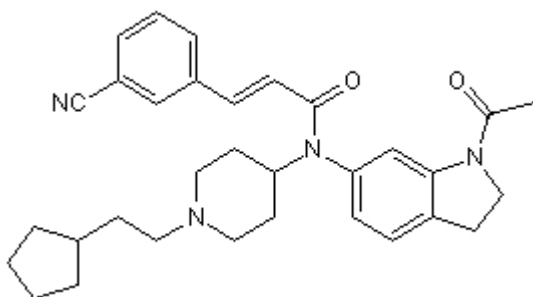
Batch Molecular Formula: C₃₂H₃₈N₄O₂

Batch Molecular Weight: 510.67

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 10 mM with gentle warming
ethanol to 10 mM with gentle warming

USE WITH CARE; NOT FULLY TESTED - YOUR SUBLICENSE UNDER CERTAIN PATENT RIGHTS OF JANSSEN PHARMACEUTICA N.V. RESTRICTS USE TO INTERNAL RESEARCH ONLY - MAY NOT BE USED IN HUMANS - MAY NOT BE SOLD, TRANSFERRED, OR USED IN COMMERCIAL SERVICES.

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:

Bonaventure et al (2004) Characterization of N-(1-Acetyl-2,3-dihydro-1H-indol-6-yl)-3-(3-cyano-phenyl)-N-[1-(2-cyclopentyl-ethyl)-piperidin-4yl]acrylamide (JNJ-5207787), a small molecule antagonist of the neuropeptide Y Y₂ receptor. *J.Pharmacol.Exp.Ther.* **308** 1130. PMID: 14617685.

Jablonowski et al (2004) Novel non-peptide neuropeptide Y Y₂ receptor antagonists. *Bioorg.Med.Chem.Lett.* **14** 1239. PMID: 14980673.

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