

Product Name: JNJ 1661010

Catalog No.: 3262

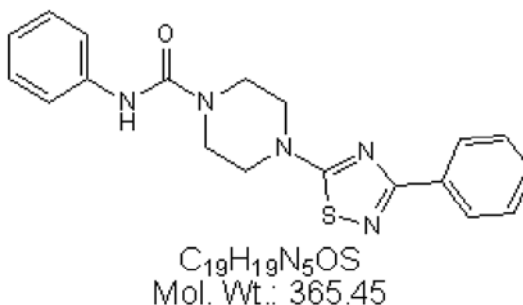
Batch No.: 1

CAS Number: 681136-29-8

IUPAC Name: *N*-Phenyl-4-(3-phenyl-1,2,4-thiadiazol-5-yl)-1-piperazinecarboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₁₉N₅OS
Batch Molecular Weight: 365.45
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 10 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	62.45	5.24	19.16
Found	62.72	5.2	19.25

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

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Description:

Selective, reversible inhibitor of fatty acid amide hydrolase (FAAH) (IC₅₀ = 12 nM). Brain penetrant and active in vivo.

Physical and Chemical Properties:

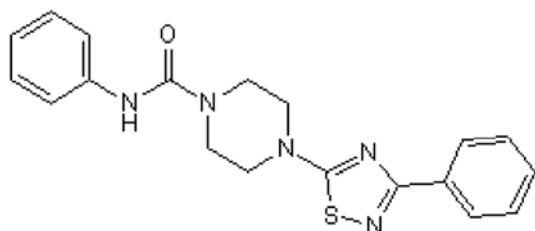
Batch Molecular Formula: C₁₉H₁₉N₅OS

Batch Molecular Weight: 365.45

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



C₁₉H₁₉N₅OS
Mol. Wt.: 365.45

Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 10 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:

Keith *et al* (2008) Thiadiazolopiperazinyl ureas as inhibitors of fatty acid amid hydrolase. *Bioorg.Med.Chem.Lett.* **18** 4838. PMID: 18693015.

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