

Product Name: JNJ 10198409

Catalog No.: 6976

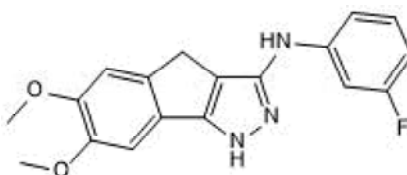
Batch No.: 1

CAS Number: 627518-40-5

IUPAC Name: *N*-(3-Fluorophenyl)-1,4-dihydro-6,7-dimethoxyindeno[1,2-*c*]pyrazol-3-amine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₆FN₃O₂
Batch Molecular Weight: 325.34
Physical Appearance: Dark yellow solid
Solubility: DMSO to 20 mM
ethanol to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 97.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	66.45	4.96	12.92
Found	66.02	5.15	12.78

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

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Description:

Potent platelet-derived growth factor receptor (PDGFR) inhibitor (IC₅₀ values are 4.2 and 45 nM for PDGFRβ and PDGFRα, respectively). Also inhibits c-Abl, Lck, c-Src and Fyn kinases (IC₅₀ values are 22, 100, 185 and 378 nM respectively). Displays antiproliferative activity in multiple tumor cell lines. Accelerates down regulation of fibroblast genes in reprogramming of human fibroblasts into functional cardiomyocytes, within 9C cocktail.

Physical and Chemical Properties:

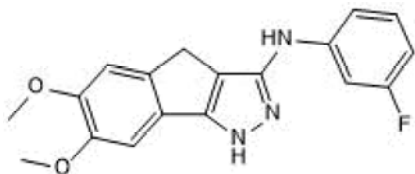
Batch Molecular Formula: C₁₈H₁₆FN₃O₂

Batch Molecular Weight: 325.34

Physical Appearance: Dark yellow solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 20 mM

ethanol to 100 mM

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.

Licensing Information:

Sold with the permission of Janssen Pharmaceutica N.V.

References:

Cao et al (2016) Conversion of human fibroblasts into functional cardiomyocytes by small molecules. *Science*. **352** 1216. PMID: 27127239.

Ho et al (2005) (6,7-Dimethoxy-2,4-dihydroindeno[1,2-*c*]pyrazol-3-yl)phenylamines: platelet-derived growth factor receptor tyrosine kinase inhibitors with broad antiproliferative activity against tumor cells. *J.Med.Chem.* **29** 8163. PMID: 16366598.

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