

Certificate of Analysis

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Product Name: CK 666

Catalog No.: 3950

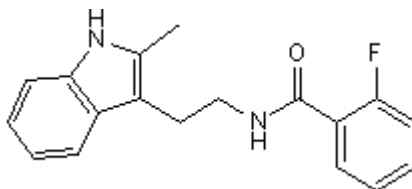
Batch No.: 1

CAS Number: 442633-00-3

IUPAC Name: 2-Fluoro-*N*-[2-(2-methyl-1*H*-indol-3-yl)ethyl]benzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₇FN₂O
Batch Molecular Weight: 296.34
Physical Appearance: Off 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 = 0.38 (Ethyl acetate:Petroleum ether [6:4])
HPLC: Shows 99.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	72.96	5.78	9.45
Found	72.74	5.85	9.41

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

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Description:

Inhibitor of the Arp2/3 complex; inhibits actin polymerization (IC₅₀ = 4 μM).

Physical and Chemical Properties:

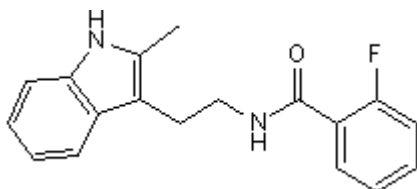
Batch Molecular Formula: C₁₈H₁₇FN₂O

Batch Molecular Weight: 296.34

Physical Appearance: Off White solid

Minimum Purity: >99%

Batch Molecular Structure:



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.

References:

Han and Nolen (2009) X-ray crystal structures and molecular mechanism of improved Arp2/3 complex inhibitors. 1751 ACSB 2009 Abstracts. American Society for Cel.

Nolen et al (2009) Characterization of two classes of small molecule inhibitors of Arp2/3 complex. Nature **460** 1031. PMID: 19648907.

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