

Certificate of Analysis

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Product Name: Golgicide A

Catalog No.: 3584

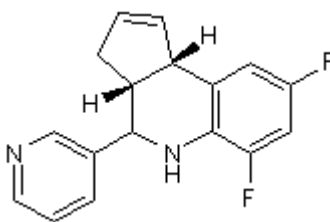
Batch No.: 1

CAS Number: 1139889-93-2

IUPAC Name: 6,8-Difluoro-4-pyridin-3-yl-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinoline

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₄F₂N₂
Batch Molecular Weight: 284.3
Physical Appearance: Off-white solid
Solubility: DMSO to 50 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	71.82	4.96	9.85
Found	71.64	4.97	9.87

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

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Description:

Potent, specific and reversible inhibitor of Golgi BFA resistance factor 1 (GBF1), an ArfGEF, that decreases Arf1 activation in vivo. Arrests secretion of soluble and membrane-associated proteins at the endoplasmic reticulum-Golgi intermediate compartment. Causes disassembly and dispersal of the Golgi and trans-Golgi network.

Physical and Chemical Properties:

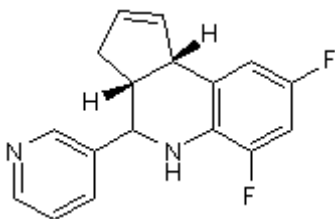
Batch Molecular Formula: C₁₇H₁₄F₂N₂

Batch Molecular Weight: 284.3

Physical Appearance: Off-white solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Saenz *et al* (2008) Golgicide A reveals essential roles for GBF1 in Golgi assembly and function. *Nature Chem.Biol.* **5** 157.

Storage: Store at RT

Solubility & Usage Info:

DMSO to 50 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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