

Certificate of Analysis

Product Name: APcK 110

Catalog No.: 3704

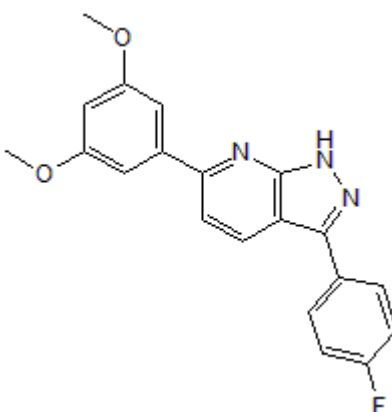
Batch No.: 1

CAS Number: 1001083-74-4

IUPAC Name: 6-(3,5-Dimethoxyphenyl)-3-(4-fluorophenyl)-1*H*-pyrazolo[3,4-*b*]pyridine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₁₆FN₃O₂
Batch Molecular Weight: 349.36
Physical Appearance: Beige solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.32 (Ethyl acetate:Petroleum ether [3:7])
HPLC: Shows 98% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	68.76	4.62	12.03
Found	68.63	4.63	12.08

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

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Description:

KIT inhibitor; inhibits phosphorylation of KIT, STAT3, STAT5 and Akt. Suppresses proliferation of OCI/AML3 cells (IC₅₀ = 175 nM). Caspase-dependant apoptosis inducer.

Physical and Chemical Properties:

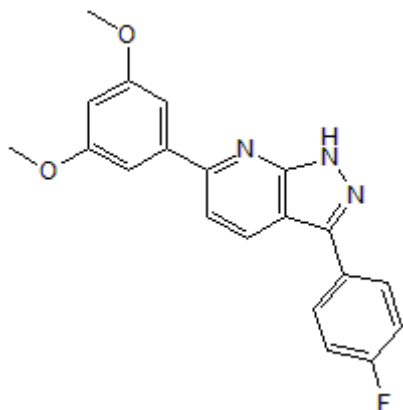
Batch Molecular Formula: C₂₀H₁₆FN₃O₂

Batch Molecular Weight: 349.36

Physical Appearance: Beige solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO 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:

Faderl *et al* (2009) Kit inhibitor APcK110 induces apoptosis and inhibits proliferation of acute myeloid leukemia cells. *Cancer Res.* **69** 3910. PMID: 19383925.

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