

Product Name: RBC8

Catalog No.: 5411

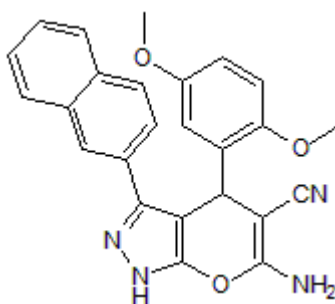
Batch No.: 1

CAS Number: 361185-42-4

IUPAC Name: 6-Amino-4-(2,5-dimethoxyphenyl)-1,4-dihydro-3-(2-naphthalenyl)pyrano[2,3-c]pyrazole-5-carbonitrile

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₅H₂₀N₄O₃
Batch Molecular Weight: 424.45
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.1% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	70.74	4.75	13.2
Found	70.81	4.75	13.17

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

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Description:

RalA and RalB GTPase inhibitor (EC₅₀ ~3.5 μM). Inhibits the binding of Ral to RaLBP1. Exhibits no detectable inhibition of Ras or RhoA activity. Suppresses growth of xenograft tumors in mice. Cell permeable.

Physical and Chemical Properties:

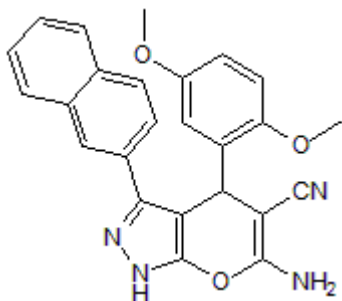
Batch Molecular Formula: C₂₅H₂₀N₄O₃

Batch Molecular Weight: 424.45

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Yan *et al* (2014) Discovery and characterization of small molecules that target the GTPase Ral. *Nature* **515** 443. PMID: 25219851.

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.

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