

Product Name: NAV 2729

Catalog No.: 5986

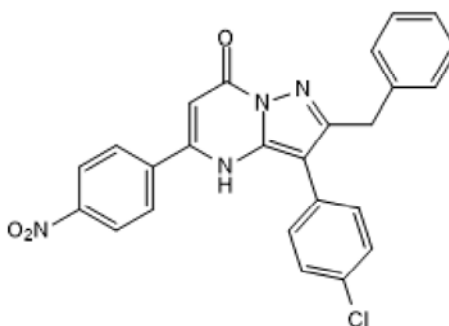
Batch No.: 3

CAS Number: 419547-11-8

IUPAC Name: 3-(4-Chlorophenyl)-5-(4-nitrophenyl)-2-(phenylmethyl)pyrazolo[1,5-a]pyrimidin-7(4H)-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₅H₁₇ClN₄O₃
Batch Molecular Weight: 456.88
Physical Appearance: Yellow solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 65.72 | 3.75 | 12.26 |
| Found | 65.73 | 3.71 | 12.21 |

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

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Description:

Selective ARF6 inhibitor (IC₅₀ = 1.0 μM). Selective for ARF6 over other ARF family members and small GTPases. Inhibits ARF6 activation in uveal melanoma cells in vitro and blocks downstream signaling pathways of oncogenic GNAQ. Reduces tumorigenesis in mouse model of uveal melanoma.

Physical and Chemical Properties:

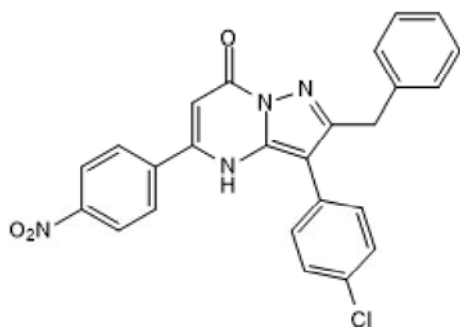
Batch Molecular Formula: C₂₅H₁₇ClN₄O₃

Batch Molecular Weight: 456.88

Physical Appearance: Yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°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:

Yoo *et al* (2016) ARF6 is an actionable node that orchestrates oncogenic GNAQ signaling in uveal melanoma. *Cancer Cell*. **29** 889. PMID: 27265506.

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