

**Product Name:** KJ Pyr 9

**Catalog No.:** 5306

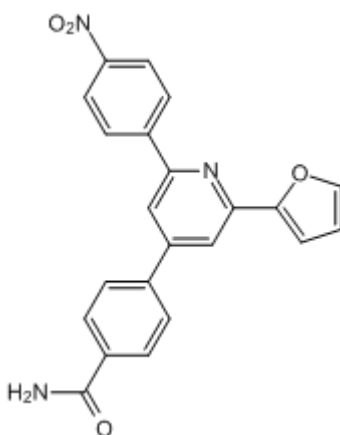
**Batch No.:** 1

CAS Number: 581073-80-5

IUPAC Name: 4-[2-(2-Furanyl)-6-(4-nitrophenyl)-4-pyridinyl]benzamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>22</sub>H<sub>15</sub>N<sub>3</sub>O<sub>4</sub>·H<sub>2</sub>O  
**Batch Molecular Weight:** 403.39  
**Physical Appearance:** Brown solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.65 (Ethyl acetate)  
**HPLC:** Shows >99.3% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	65.5	4.25	10.42
Found	65.84	3.97	10.62

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

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**Description:**

High affinity Myc inhibitor ( $K_d = 6.5$  nM). Disrupts Myc-Max interaction. Inhibits Myc-dependent cancer cell line proliferation in vitro. Inhibits growth of MDA-MB-231 breast cancer cell xenografts in mice. Brain penetrant.

**Physical and Chemical Properties:**

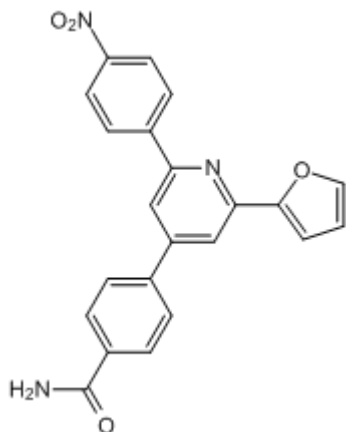
Batch Molecular Formula:  $C_{22}H_{15}N_3O_4 \cdot H_2O$

Batch Molecular Weight: 403.39

Physical Appearance: Brown solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**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:**

Hart *et al* (2014) Inhibitor of MYC identified in a Kröhnke pyridine library. Proc.Natl.Acad.Sci.U.S.A. **111** 12556. PMID: 25114221.

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