

## Certificate of Analysis

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**Product Name:** PIM-1 Inhibitor 2

**Catalog No.:** 3589

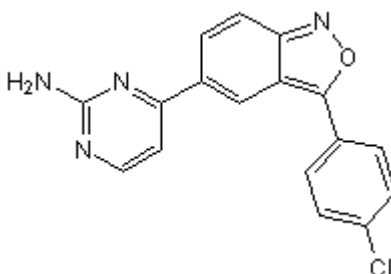
**Batch No.:** 1

CAS Number: 477845-12-8

IUPAC Name: 4-[3-(4-Chlorophenyl)-2,1-benzisoxazol-5-yl]-2-pyrimidinamine

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>17</sub>H<sub>11</sub>ClN<sub>4</sub>O · ¼H<sub>2</sub>O  
**Batch Molecular Weight:** 327.25  
**Physical Appearance:** Yellow solid  
**Solubility:** DMSO to 75 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows 98.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	62.39	3.54	17.12
Found	62.4	3.43	17.14

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

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**Description:**

Potent Pim-1 kinase inhibitor ( $K_i = 91$  nM).

**Physical and Chemical Properties:**

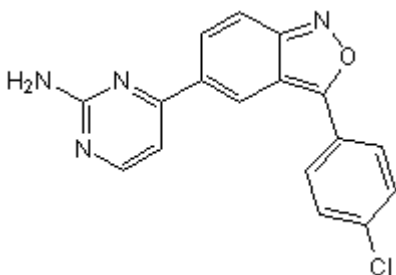
Batch Molecular Formula:  $C_{17}H_{11}ClN_4O \cdot \frac{1}{4}H_2O$

Batch Molecular Weight: 327.25

Physical Appearance: Yellow solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 75 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:**

Pierce *et al* (2008) Docking study yields four novel inhibitors of the protooncogene Pim-1 kinase. *J.Med.Chem.* **51** 1972. PMID: 18290603.

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