

**Product Name:** AZM 475271

**Catalog No.:** 3963

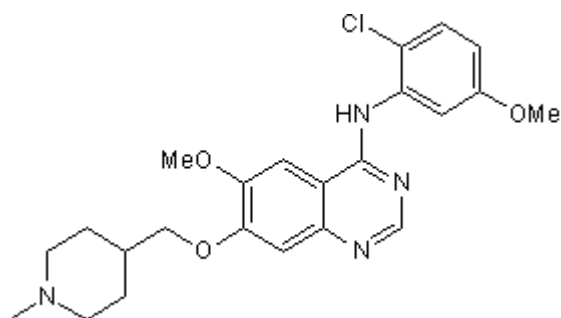
**Batch No.:** 1

**CAS Number:** 476159-98-5

**IUPAC Name:** N-(2-Chloro-5-methoxyphenyl)-6-methoxy

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>23</sub>H<sub>27</sub>ClN<sub>4</sub>O<sub>3</sub>  
**Batch Molecular Weight:** 442.94  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.54 (Dichloromethane:Methanol:Ammonia soln. [9:1:0.05])  
**HPLC:** Shows 99.8% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	62.37	6.14	12.65
Found	62.18	6.11	12.69

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**Description:**

Src tyrosine kinase inhibitor. Reduces tumor size, vascularity and metastasis, and increases apoptosis in human pancreatic cells grown in nude mice. Also exhibits antiangiogenic activity in vitro and in vivo. Sensitizes tumor cells to the cytotoxic effects of gemcitabine (Cat. No. 3259).

**Physical and Chemical Properties:**

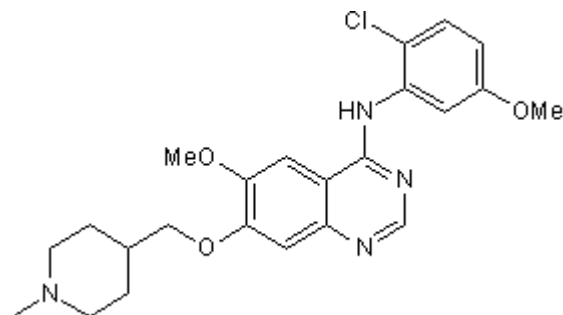
Batch Molecular Formula: C<sub>23</sub>H<sub>27</sub>ClN<sub>4</sub>O<sub>3</sub>

Batch Molecular Weight: 442.94

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at RT

**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:**

**Yezhelyev et al (2004)** Inhibition of Src tyrosine kinase as treatment for human pancreatic cancer growing orthotopically in nude mice. *Clin.Cancer Res.* **10** 8028. PMID: 15585638.

**Summy et al (2005)** AP23846, a novel and highly potent Src family kinase inhibitor, reduces vascular endothelial growth factor and interleukin-8 expression in human solid tumor cell lines and abrogates downstream angiogenic processes. *Mol.Cancer Ther.* **4** 1900. PMID: 16373705.

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