

## Certificate of Analysis

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**Product Name:** Src I1

**Catalog No.:** 3642

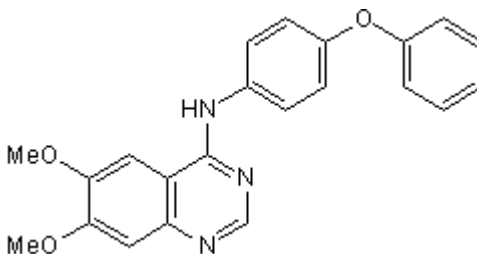
**Batch No.:** 1

CAS Number: 179248-59-0

IUPAC Name: 6,7-Dimethoxy-*N*-(4-phenoxyphenyl)-4-quinazolinamine

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>22</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>  
**Batch Molecular Weight:** 373.4  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
ethanol to 5 mM  
**Storage:** Desiccate at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows 99.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	70.77	5.13	11.25
Found	70.95	5.05	11.35

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

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**Description:**

Potent, competitive dual site (ATP- and peptide-binding) Src kinase inhibitor (IC<sub>50</sub> values are 44 and 88 nM for Src and Lck respectively). Inhibits VEGFR2 and c-fms at higher concentrations (IC<sub>50</sub> values are 0.32 and 30 μM respectively). Can be used in parallel with PP 1 (Cat. No. 1397) and PP 2 (Cat. No. 1407) to inhibit Src family kinases.

**Physical and Chemical Properties:**

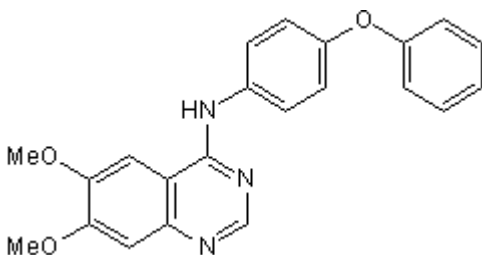
Batch Molecular Formula: C<sub>22</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>

Batch Molecular Weight: 373.4

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**References:**

**Tian et al** (2001) Structural determinants for potent, selective dual site inhibition of human pp60<sup>c-src</sup> by 4-anilinoquinazolines. *Biochem.* **40** 7084.

**Bain et al** (2007) The selectivity of protein kinase inhibitors: a further update. *Biochem.J.* **408** 297. PMID: 17850214.

**Storage:** Desiccate at RT

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 5 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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