

Product Name: Src I1

Catalog No.: 3642

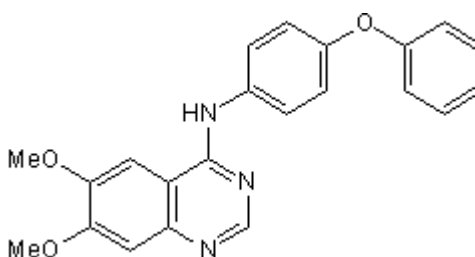
Batch No.: 1

CAS Number: 179248-59-0

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₁₉N₃O₃
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
¹H 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 (IC₅₀ values are 44 and 88 nM for Src and Lck respectively). Inhibits VEGFR2 and c-fms at higher concentrations (IC₅₀ 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:

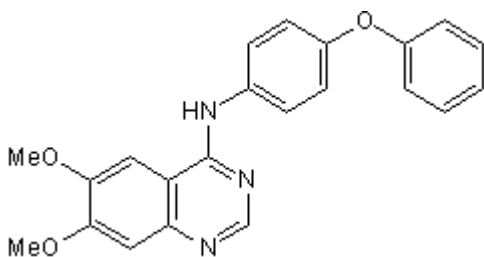
Batch Molecular Formula: C₂₂H₁₉N₃O₃

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^{c-src} 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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