

**Product Name:** SGC GAK 1

**Catalog No.:** 6564

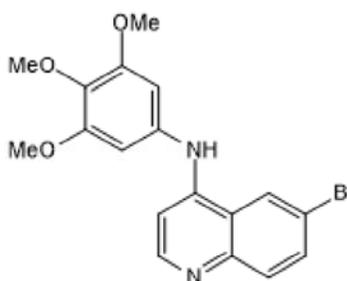
**Batch No.:** 1

CAS Number: 2226517-76-4

IUPAC Name: 6-Bromo-*N*-(3,4,5-trimethoxyphenyl)-4-quinolinamine

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>18</sub>H<sub>17</sub>BrN<sub>2</sub>O<sub>3</sub>  
**Batch Molecular Weight:** 389.24  
**Physical Appearance:** Pale yellow solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 50 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.9% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	55.54	4.4	7.2
Found	55.67	4.52	7.15

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**Description:**

High affinity cyclin G associated kinase (GAK) inhibitor ( $K_d = 1.9$  nM). Exhibits >30-fold selectivity for GAK over a panel of other kinases. Inhibits GAK in live cell assays ( $IC_{50} = 110$  nM).

**Physical and Chemical Properties:**

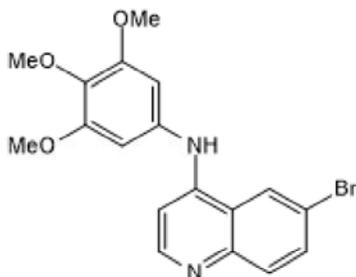
Batch Molecular Formula:  $C_{18}H_{17}BrN_2O_3$

Batch Molecular Weight: 389.24

Physical Appearance: Pale yellow solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 50 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.

**Licensing Information:**

This probe is supplied in conjunction with the Structural Genomics Consortium. For further characterization details, please visit the SGC GAK 1 probe summary on the SGC website.

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