

**Product Name:** CCG 63802

**Catalog No.:** 4028

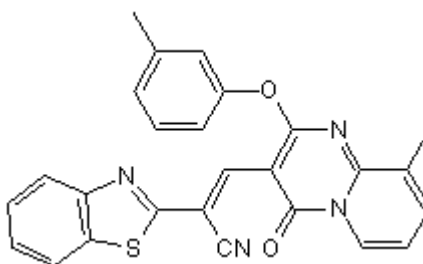
**Batch No.:** 2

CAS Number: 620112-78-9

IUPAC Name: (2E)-2-(1,3-Benzothiazol-2-yl)-3-[9-methyl-2-(3-methylphenoxy)-4-oxo-4H-pyrido[1,2-a]pyrimidin-3-yl]acrylonitrile

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>26</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub>S  
**Batch Molecular Weight:** 450.51  
**Physical Appearance:** Yellow solid  
**Solubility:** DMSO to 5 mM with gentle warming  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.2 (Ethyl acetate:Petroleum ether [1:1])  
**HPLC:** Shows 99.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon Hydrogen Nitrogen		
Theoretical	69.32	4.03	12.44
Found	69.09	3.98	12.46

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**Description:**

Reversible inhibitor of regulator of G-protein signaling (RGS) proteins. Selective amongst RGS proteins, with greatest potency at RGS4. Inhibits GTPase accelerating protein activity of RGS4 and blocks its interaction with G<sub>oo</sub>. Retains activity under reducing conditions.

**Physical and Chemical Properties:**

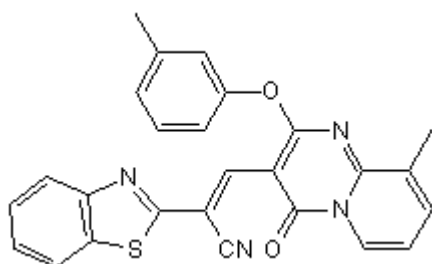
Batch Molecular Formula: C<sub>26</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub>S

Batch Molecular Weight: 450.51

Physical Appearance: Yellow solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 5 mM with gentle warming

**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:**

**Blazer et al** (2010) Reversible, allosteric small-molecule inhibitors of regulator of G protein signaling proteins. *Mol.Pharmacol.* **78** 524. PMID: 20571077.

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