

**Product Name:** TCS JNK 6o

**Catalog No.:** 3222

**Batch No.:** 4

**CAS Number:** 894804-07-0

**IUPAC Name:** *N*-(4-Amino-5-cyano-6-ethoxy-2-pyridinyl)-2,5-dimethoxybenzeneacetamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>18</sub>H<sub>20</sub>N<sub>4</sub>O<sub>4</sub>·¼H<sub>2</sub>O

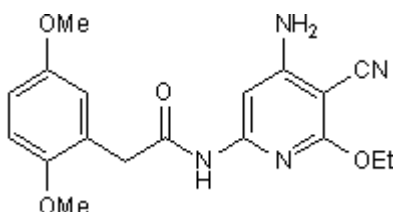
**Batch Molecular Weight:** 360.88

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at +4°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.54 (Chloroform:Methanol:Ammonia soln. [90:9:1])

**HPLC:** Shows 98.6% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	59.91	5.73	15.52
Found	59.99	5.6	15.79

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

**Product Name:** TCS JNK 6o

**Catalog No.:** 3222

**Batch No.:** 4

**CAS Number:** 894804-07-0

**IUPAC Name:** *N*-(4-Amino-5-cyano-6-ethoxy-2-pyridinyl)-2,5-dimethoxybenzeneacetamide

**Description:**

ATP-competitive c-Jun N-terminal kinase (JNK) inhibitor (IC<sub>50</sub> values are 2, 4 and 52 nM for JNK1, JNK2 and JNK3 respectively). Displays > 1000 fold selectivity over other kinases, including ERK2 and p38. Inhibits c-Jun phosphorylation (EC<sub>50</sub> = 920 nM) and prevents collagen-induced platelet aggregation in vitro.

**Physical and Chemical Properties:**

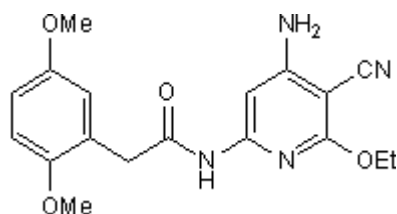
Batch Molecular Formula: C<sub>18</sub>H<sub>20</sub>N<sub>4</sub>O<sub>4</sub>·½H<sub>2</sub>O

Batch Molecular Weight: 360.88

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**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:**

**Szczepankiewicz et al** (2006) Aminopyridine-based c-Jun N-terminal kinase inhibitors with cellular activity and minimal cross-kinase activity. *J.Med.Chem.* **49** 3563. PMID: 16759099.

**Kauskot et al** (2007) Involvement of the mirogen-activated protein kinase c-Jun NH<sub>2</sub>-terminal kinase 1 in thrombus formation. *J.Biol.Chem.* **282** 31990. PMID: 17785464.

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