

**Product Name:** MSC 2032964A

**Catalog No.:** 5641

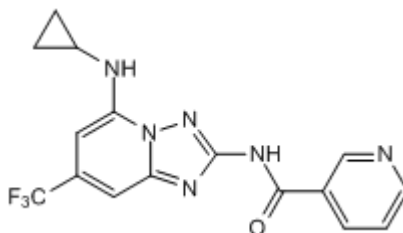
**Batch No.:** 2

CAS Number: 1124381-43-6

IUPAC Name: *N*-[5-(Cyclopropylamino)-7-(trifluoromethyl)[1,2,4]triazolo[1,5-a]pyridin-2-yl]-3-pyridinecarboxamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>16</sub>H<sub>13</sub>F<sub>3</sub>N<sub>6</sub>O·¼H<sub>2</sub>O  
**Batch Molecular Weight:** 366.81  
**Physical Appearance:** Cream solid  
**Solubility:** DMSO to 20 mM  
 ethanol to 10 mM with gentle warming  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.5 (Dichloromethane:Methanol [9:1])  
**HPLC:** Shows 98% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	52.39	3.71	22.91
Found	52.35	3.75	22.76

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

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**Description:**

Potent and selective ASK1 inhibitor (IC<sub>50</sub> = 93 nM). Selective for ASK1 over a panel of 210 kinases. Blocks LPS-induced ASK1 and p38 phosphorylation in cultured mouse astrocytes. Suppresses neuroinflammation in a mouse EAE model. Orally bioavailable and brain penetrant.

**Physical and Chemical Properties:**

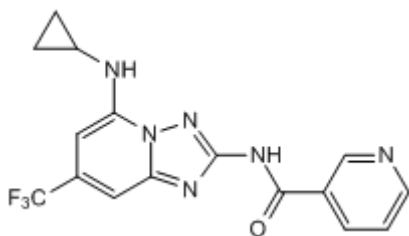
Batch Molecular Formula: C<sub>16</sub>H<sub>13</sub>F<sub>3</sub>N<sub>6</sub>O.¼H<sub>2</sub>O

Batch Molecular Weight: 366.81

Physical Appearance: Cream solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**References:**

Guo *et al* (2010) Regulation of the severity of neuroinflammation and demyelination by TLR-ASK1-p38 pathway. *EMBO Mol.Med.* **2** 504. PMID: 21064192 .

**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 20 mM

ethanol to 10 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.

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