

Product Information

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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

Description:

Potent and selective ASK1 inhibitor (IC_{50} = 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:

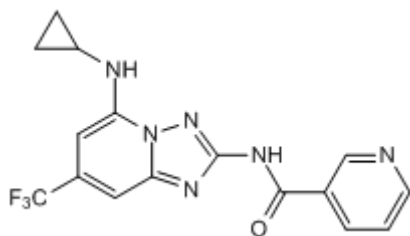
Batch Molecular Formula: $C_{16}H_{13}F_3N_6O \cdot \frac{1}{4}H_2O$

Batch Molecular Weight: 366.81

Physical Appearance: Cream solid

Minimum Purity: >98%

Batch Molecular Structure:



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.

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 .

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

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