

**Product Name:** SR 3576

**Catalog No.:** 5044

**Batch No.:** 1

**CAS Number:** 1164153-22-3

**IUPAC Name:** 3-[4-[[[(3-Methylphenyl)amino]carbonyl]amino]-1*H*-pyrazol-1-yl]-*N*-(3,4,5-trimethoxyphenyl)benzamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>27</sub>H<sub>27</sub>N<sub>5</sub>O<sub>5</sub>·¼H<sub>2</sub>O

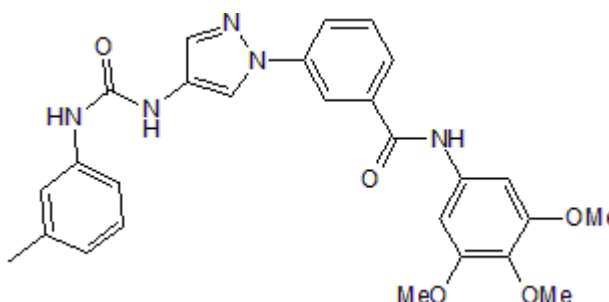
**Batch Molecular Weight:** 506.03

**Physical Appearance:** Off White solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**TLC:** R<sub>f</sub> = 0.65 (Ethyl acetate:Methanol [9:1])

**HPLC:** Shows >97.8% purity

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

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	64.08	5.48	13.84
Found	63.94	5.44	13.68

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**Description:**

Highly potent and selective JNK3 inhibitor ( $IC_{50} = 7$  nM); exhibits > 2800-fold selectivity over p38.

**Physical and Chemical Properties:**

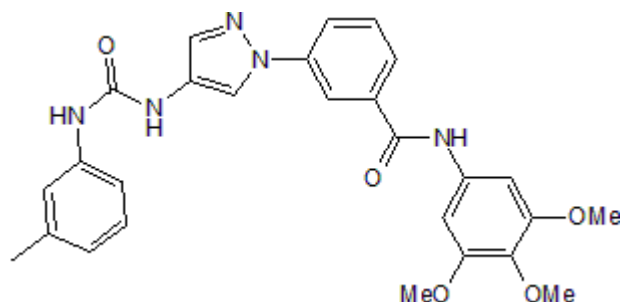
Batch Molecular Formula:  $C_{27}H_{27}N_5O_5 \cdot \frac{1}{4}H_2O$

Batch Molecular Weight: 506.03

Physical Appearance: Off White solid

**Minimum Purity:** >97%

**Batch Molecular Structure:**



**Storage:** Store at -20°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:**

**Kamenecka et al** (2009) Structure-activity relationships and X-ray structures describing the selectivity of aminopyrazole inhibitors for c-Jun N-terminal kinase 3 (JNK3) over p38. *J Biol Chem.* **284** 12853. PMID: 19261605.

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