

Certificate of Analysis

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Product Name: SX 011

Catalog No.: 3639

Batch No.: 1

CAS Number: 309913-42-6

IUPAC Name: 6-Chloro-5-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]carbonyl-*N,N*,1-trimethyl- α -oxo-1*H*-indole-3-acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{26}H_{27}ClFN_3O_3 \cdot \frac{1}{2}H_2O$

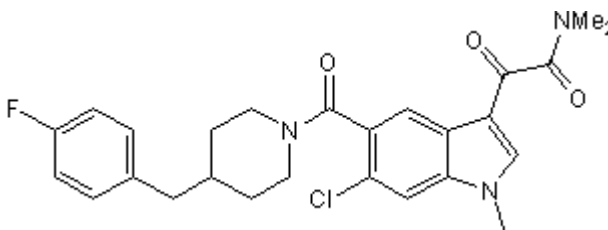
Batch Molecular Weight: 492.97

Physical Appearance: Yellow solid

Solubility: DMSO to 100 mM
ethanol to 100 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.0% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	63.35	5.72	8.52
Found	63.45	5.66	8.76

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

Product Information

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Description:

Potent p38 α inhibitor (IC₅₀ = 9 nM). Also inhibits p38 β and JNK-2 (IC₅₀ values are 90 nM and 100 nM respectively). Displays no significant activity at p38 γ , p38 δ , ERK-2 and JNK-1.

Physical and Chemical Properties:

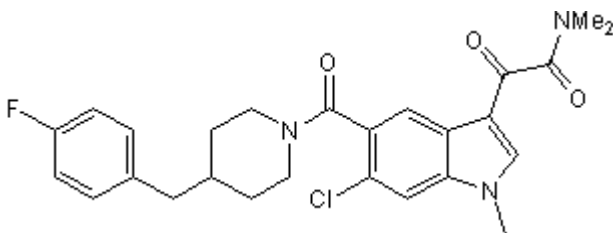
Batch Molecular Formula: C₂₆H₂₇ClFN₃O₃·½H₂O

Batch Molecular Weight: 492.97

Physical Appearance: Yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 mM

ethanol 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:

Lee and Dominguez (2005) MAP kinase p38 inhibitors: clinical results and an intimate look at their interactions with p38 α protein. *Curr.Med.Chem.* **12** 2979. PMID: 16378500.

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