

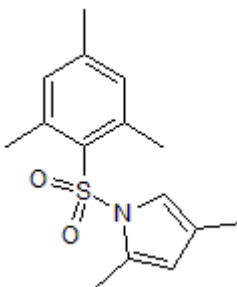
Certificate of Analysis

Product Name: HJC 0350
CAS Number: 885434-70-8
IUPAC Name: 2,4-Dimethyl-1-[(2,4,6-trimethylphenyl)sulfonyl]-1*H*-pyrrole

Catalog No.: 4844 **Batch No.:** 2

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₁₉NO₂S
Batch Molecular Weight: 277.38
Physical Appearance: Pink solid
Solubility: DMSO to 50 mM
 ethanol to 20 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	64.95	6.9	5.05
Found	64.74	6.95	4.99

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

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Description:

Selective Epac2 inhibitor (IC₅₀ = 0.3 μM). Displays no effect on Epac1. Blocks stimulation of the Epac2-FL FRET sensor in HEK293 cells.

Physical and Chemical Properties:

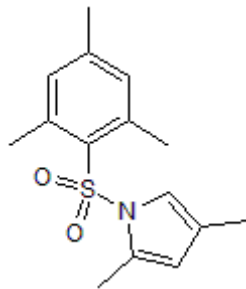
Batch Molecular Formula: C₁₅H₁₉NO₂S

Batch Molecular Weight: 277.38

Physical Appearance: Pink solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Chen et al (2013) Identification and characterization of small molecules as potent and specific EPAC2 antagonists. *J.Med.Chem.* **56** 952. PMID: 23286832.

Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 50 mM

ethanol to 20 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.

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