

Product Name: H 151

Catalog No.: 6675

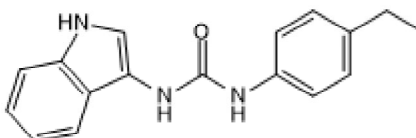
Batch No.: 2

CAS Number: 941987-60-6

IUPAC Name: *N*-(4-Ethylphenyl)-*N'*-1*H*-indol-3-yl-urea

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₇N₃O.
Batch Molecular Weight: 279.34
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
 ethanol to 50 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	73.1	6.13	15.04
Found	73.28	6.04	15.02

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

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Description:

H 151 is a STING antagonist. Covalently binds STING at Cys91, blocking palmitoylation and preventing assembly of STING clusters. Decreases inflammatory cytokine production in human and mouse cells in vitro. Also blocks CMA (Cat. No. 6677) -induced increases in levels of inflammatory cytokines in mice, and alleviates systemic inflammation in a mouse model of autoinflammatory disease.

Physical and Chemical Properties:

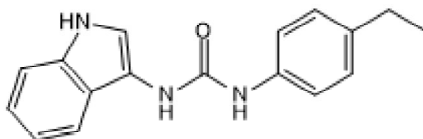
Batch Molecular Formula: C₁₇H₁₇N₃O.

Batch Molecular Weight: 279.34

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Haag *et al* (2018) Targeting STING with covalent small-molecule inhibitors. *Nature* **559** 269. PMID: 29973723.

Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 50 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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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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