

Product Name: Heclin

Catalog No.: 5433

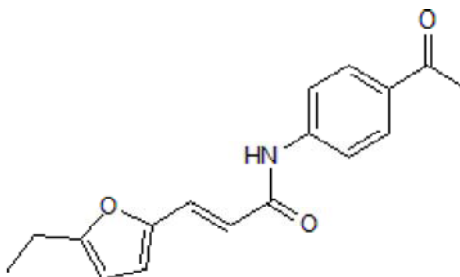
Batch No.: 1

CAS Number: 890605-54-6

IUPAC Name: *N*-(4-Acetylphenyl)-3-(5-ethyl-2-furanyl)-2-propenamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₇NO₃
Batch Molecular Weight: 283.32
Physical Appearance: Beige solid
Solubility: DMSO to 100 mM
 ethanol to 50 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	72.07	6.05	4.94
Found	72	6.19	5.05

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

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Description:

HECT E3 ubiquitin ligase inhibitor; inhibits Nedd4, Smurf2 and WWP1 (IC₅₀ values are 6.3, 6.8 and 6.9 μM respectively). Selective for HECT-mediated over RING-mediated ubiquitination.

Physical and Chemical Properties:

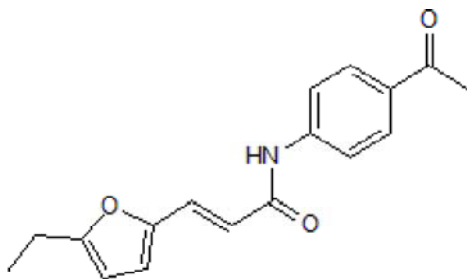
Batch Molecular Formula: C₁₇H₁₇NO₃

Batch Molecular Weight: 283.32

Physical Appearance: Beige solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°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. 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:

Mund *et al* (2014) Peptide and small molecule inhibitors of HECT-type ubiquitin ligases. *Proc.Natl.Acad.Sci.U.S.A.* **111** 16736. PMID: 25385595.

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