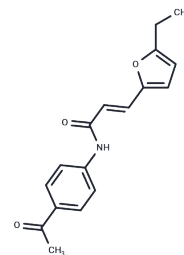


## Heclin

## Chemical Properties

CAS No. :	890605-54-6
Formula:	C <sub>17</sub> H <sub>17</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	283.32
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Heclin is an inhibitor of HECT E3 ubiquitin ligase that acts by inhibiting Smurf2, Nedd4, and WWP1 with IC <sub>50</sub> values of 6.8, 6.3, and 6.9 μM, respectively.
Targets(IC <sub>50</sub> )	E1/E2/E3 Enzyme,Akt,MyD88,NEDD4-1

## Solubility Information

Solubility	DMSO: 50 mg/mL (176.48 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.06 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5296 mL	17.6479 mL	35.2958 mL
5 mM	0.7059 mL	3.5296 mL	7.0592 mL
10 mM	0.353 mL	1.7648 mL	3.5296 mL
50 mM	0.0706 mL	0.353 mL	0.7059 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Farris TR, et al. Ehrlichia chaffeensis TRP32 Nucleomodulin Function and Localization Is Regulated by NEDD4L-Mediated Ubiquitination. Front Cell Infect Microbiol. 2018 Jan 11;7:534.

Su BC, Chen JY. Antimicrobial Peptide Epinecidin-1 Modulates MyD88 Protein Levels via the Proteasome Degradation Pathway. Mar Drugs. 2017 Nov 16;15(11).

Mund T, et al. Peptide and small molecule inhibitors of HECT-type ubiquitin ligases. Proc Natl Acad Sci U S A. 2014 Nov 25;111(47):16736-41.

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