HECT E3-IN-1

Cat. No.: HY-153178

CAS No.: 1810058-52-6

Molecular Formula: $C_{21}H_{26}N_2O_4$

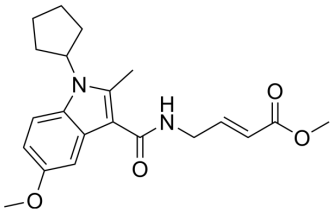
Molecular Weight: 370.44

Target: E1/E2/E3 Enzyme

Pathway: Metabolic Enzyme/Protease

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (269.95 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.6995 mL	13.4975 mL	26.9949 mL
5 mM	0.5399 mL	2.6995 mL	5.3990 mL
10 mM	0.2699 mL	1.3497 mL	2.6995 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (6.75 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (6.75 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.75 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

HECT E3-IN-1 (compound 3) is a HECT E3 ligase inhibitor. HECT E3-IN-1 (compound 3) disrupts Ub binding to the noncovalent Ub-binding site of Nedd4-1[1].

REFERENCES

[1]. Stefan G Kathman, et al. A Small Molecule That Switches a Ubiquitin Ligase From a Processive to a Distributive Enzymatic Mechanism. J Am Chem Soc. 2015 Oct 7;137(39):12442-5.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA