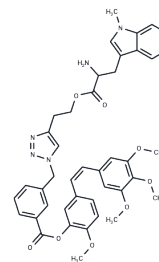


HI5

## Chemical Properties

CAS No. : 2411548-90-6  
 Formula: C42H43N5O8  
 Molecular Weight: 745.82  
 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	HI5, a potent inhibitor of tubulin and indoleamine 2,3-dioxygenase (IDO), exhibits an inhibitory concentration (IC50) of 70 nM in HeLa cells. It suppresses IDO expression, reduces kynurenine production, and enhances T cell activation and proliferation. Additionally, HI5 impedes tubulin polymerization and cell migration, induces G2/M phase arrest, and leads to apoptosis through the mitochondrial-dependent apoptosis pathway while generating reactive oxidative stress in HeLa cells, making it a valuable compound for anticancer research.
Targets(IC50)	Apoptosis,Others,Microtubule Associated,IDO,Indoleamine 2,3-Dioxygenase (IDO)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3408 mL	6.704 mL	13.4081 mL
5 mM	0.2682 mL	1.3408 mL	2.6816 mL
10 mM	0.1341 mL	0.6704 mL	1.3408 mL
50 mM	0.0268 mL	0.1341 mL	0.2682 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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