

## Eeyarestatin I

## Chemical Properties

CAS No. : 412960-54-4

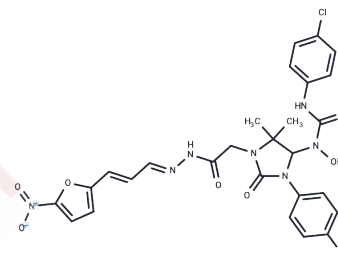
Formula: C<sub>27</sub>H<sub>25</sub>Cl<sub>2</sub>N<sub>7</sub>O<sub>7</sub>

Molecular Weight: 630.44

Store at low temperature

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	Eeyarestatin I is an inhibitor that inhibits the degradation and translocation of ER-associated proteins. Eeyarestatin I is associated with the p97 deubiquitination process and inhibits atx3 deubiquitination. Eeyarestatin I has anticancer effects by inducing proteins that cause cell death.
Targets(IC50)	Apoptosis,p97

## Solubility Information

Solubility	DMSO: 22.5 mg/mL (35.69 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5862 mL	7.931 mL	15.8619 mL
5 mM	0.3172 mL	1.5862 mL	3.1724 mL
10 mM	0.1586 mL	0.7931 mL	1.5862 mL
50 mM	0.0317 mL	0.1586 mL	0.3172 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

Ding R, et, al. I Eeyarestatin I derivatives with improved aqueous solubility. Bioorg Med Chem Lett. 2016 Nov 1;26(21):5177-5181.

Berry GE, et, al. Chemical Modulation of Endocytic Sorting Augments Adeno-associated Viral Transduction. J Biol Chem. 2016 Jan 8;291(2):939-47

Meinig JM, et, al. Synthesis of Fluorophores that Target Small Molecules to the Endoplasmic Reticulum of Living Mammalian Cells. Angew Chem Int Ed Engl. 2015 Aug 10;54(33):9696-9.

Shah PP, et, al. Regulation of VCP/p97 demonstrates the critical balance between cell death and epithelial-mesenchymal transition (EMT) downstream of ER stress. Oncotarget. 2015 Jul 10;6(19):17725-37.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481