

## EAD1 trihydrochloride(1644388-26-0 Free base)

## Chemical Properties

CAS No. :

Formula: C<sub>24</sub>H<sub>30</sub>Cl<sub>5</sub>N<sub>7</sub>

Molecular Weight: 593.81

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	EAD1 HCL is a potent autophagy inhibitor with antiproliferative activity in lung and pancreatic cancer cells. EAD1 HCL also induces apoptosis
Targets(IC50)	Apoptosis, Autophagy
In vitro	EAD1 HCL (0-200 µM; 72 hours) has antiproliferative activity against human cancer cell lines. EAD1 HCL (5-75 µM; 24 hours) induces apoptosis in the H460 cells in a concentration-dependent manner. EAD1 HCL (1-25 µM; 24 hour) increases the punctate LC3 signal in H460 cells[1].

## Solubility Information

Solubility	DMSO: 55.00 mg/mL (92.62 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.684 mL	8.4202 mL	16.8404 mL
5 mM	0.3368 mL	1.684 mL	3.3681 mL
10 mM	0.1684 mL	0.842 mL	1.684 mL
50 mM	0.0337 mL	0.1684 mL	0.3368 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

Lars Ulrik Nordstrøm, et al. ACS Med Chem Lett. 2015, 6(2): 134-139.

**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