

## Enzyme-IN-1

## Chemical Properties

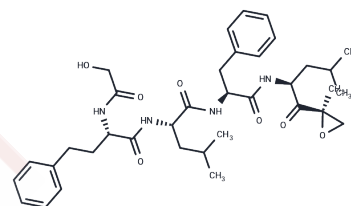
CAS No. : 868540-02-7

Formula: C<sub>36</sub>H<sub>50</sub>N<sub>4</sub>O<sub>7</sub>

Molecular Weight: 650.8

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	Enzyme-IN-1 (compound 1), a peptide-based inhibitor of N-terminal nucleophile (Ntn) hydrolases, specifically targets and inhibits the chymotrypsin-like activity (CT-L) of the 20S proteasome. This compound may possess potential anti-inflammatory properties [1].
Targets(IC50)	Others, Proteasome

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5366 mL	7.6829 mL	15.3657 mL
5 mM	0.3073 mL	1.5366 mL	3.0731 mL
10 mM	0.1537 mL	0.7683 mL	1.5366 mL
50 mM	0.0307 mL	0.1537 mL	0.3073 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

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Tel: 781-999-4286

E\_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481