

## Ac-PLVE-FMK

## Chemical Properties

CAS No. : 2679825-26-2

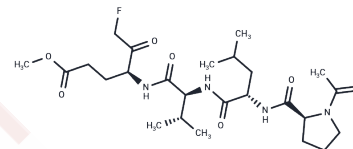
Formula: C<sub>25</sub>H<sub>41</sub>FN<sub>4</sub>O<sub>7</sub>

Molecular Weight: 528.61

Keep away from moisture

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	Ac-PLVE-FMK (Ac-Pro-Leu-Val-Glu(OMe)-CH <sub>2</sub> F), a tetrapeptidyl fluoromethylketone (FMK), acts as a cathepsin inhibitor and is used in cancer research [1].
Targets(IC <sub>50</sub> )	Others,Cysteine Protease
In vitro	Ac-PLVE-FMK effectively inhibits the activity of Cat-B and Cat-L in assays targeting (human recombinant enzymes) [1]. In cell-based assays on two human renal carcinoma cell lines (769-P and A498), Ac-PLVE-FMK demonstrates the ability to penetrate the cell membrane [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8918 mL	9.4588 mL	18.9175 mL
5 mM	0.3784 mL	1.8918 mL	3.7835 mL
10 mM	0.1892 mL	0.9459 mL	1.8918 mL
50 mM	0.0378 mL	0.1892 mL	0.3784 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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