

## FALGPA TFA

## Chemical Properties

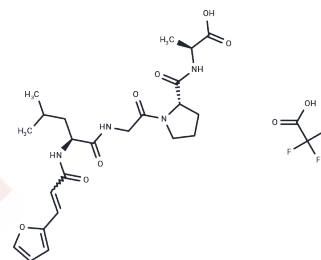
CAS No. :

Formula: C<sub>23</sub>H<sub>32</sub>N<sub>4</sub>O<sub>7</sub>.XCF<sub>3</sub>COOH

Molecular Weight: 476.52

Storage: Keep away from direct sunlight  
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	FALGPA, a colorimetric substrate for collagenase, exhibits selectivity over trypsin, thermolysin, and elastase. It uniquely interacts with collagenase, which binds to and cleaves the Leu-Gly (LG) peptide sequence, releasing the furanacryloyl group. This release is measurable through colorimetric detection between 324 and 345 nm, serving as an indicator of collagenase activity. Additionally, FALGPA facilitates the identification of inhibitors for <i>C. histolyticum</i> collagenase.
Targets(IC50)	Others

## Solubility Information

Solubility	PBS pH 7.2: Slightly soluble DMSO: 30 mg/mL (62.96 mM),Sonication is recommended. Ethanol: 30 mg/mL (62.96 mM),Sonication is recommended. DMF: 30 mg/mL (62.96 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0985 mL	10.4927 mL	20.9855 mL
5 mM	0.4197 mL	2.0985 mL	4.1971 mL
10 mM	0.2099 mL	1.0493 mL	2.0985 mL
50 mM	0.042 mL	0.2099 mL	0.4197 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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