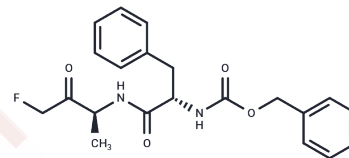


(S,S)-Z-FA-FMK**Chemical Properties**

CAS No. :	105637-38-5
Formula:	C ₂₁ H ₂₃ FN ₂ O ₄
Molecular Weight:	386.42
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

**Biological Description**

Description	(S,S)-Z-FA-FMK is a cell-permeable, irreversible inhibitor of cathepsin B. This compound inhibits the production of IL-1 α and IL-1 β induced by LPS. Additionally, (S,S)-Z-FA-FMK serves as a negative control for caspase-1 and caspase-2 inhibitors due to the absence of an aspartic acid residue at the P1 position.
Targets(IC50)	Cysteine Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5879 mL	12.9393 mL	25.8786 mL
5 mM	0.5176 mL	2.5879 mL	5.1757 mL
10 mM	0.2588 mL	1.2939 mL	2.5879 mL
50 mM	0.0518 mL	0.2588 mL	0.5176 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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