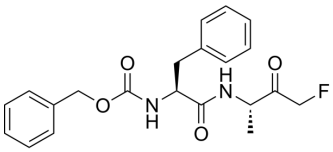
(S,S)-Z-FA-FMK

Cat. No.:	HY-P0109
CAS No.:	105637-38-5
Molecular Formula:	$C_{21}H_{23}FN_2O_4$
Molecular Weight:	386.42
Target:	Cathepsin
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(S,S)-Z-FA-FMK is a cell-permeable, irreversible cathepsin B inhibitor. (S,S)-Z-FA-FMK blocks LPS-induced production of IL-1α and IL-1β. (S,S)-Z-FA-FMK can be used as a negative control for caspase-1 and caspase-2 inhibitors because it lacks an aspartic acid residue at the P1 position[1][2].

REFERENCES

[1]. Koike S, et al. Advanced Glycation End-Products Induce Apoptosis of Vascular Smooth Muscle Cells: A Mechanism for Vascular Calcification. Int J Mol Sci. 2016;17(9):1567. Published 2016 Sep 16.

[2]. Harrison JS, et al. The role of VDR and BIM in potentiation of cytarabine-induced cell death in human AML blasts. Oncotarget. 2016;7(24):36447-36460.

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