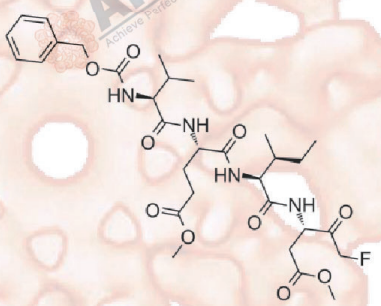
Product Data Sheet

Z-VEID-FMK



Cat. No.:	A1923
CAS No.:	210344-96-0
Formula:	C31H45FN4O10
M.Wt:	652.71
Synonyms:	Caspase-6 inhibitor (fluoromethylketone),Benzyloxycarbonyl-Val-Glu(OMe)-Ile-Asp(OMe)-fluoromethylketone
Target:	Apoptosis
Pathway:	Caspase
Storage:	Store at -20°C

Solvent & Solubility

In Vitro

insoluble in H2O; ⩾113.4 mg/mL in DMSO; ⩾3.01 mg/mL in EtOH with gentle warming and ultrasonic

Preparing Stock Solutions

Mass / Solvent / Concentration	1mg	5mg	10mg
1 mM	1.5321 mL	7.6604 mL	15.3207 mL
5 mM	0.3064 mL	1.5321 mL	3.0641 mL
10 mM	0.1532 mL	0.7660 mL	1.5321 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary	Caspase-6 inhibitor
IC_{50} & Target	

In Vitro

Cell Viability Assay

Cell Line:	Luteal cells
Preparation method:	Soluble in DMSO. General tips for obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

	Reacting conditions:	50 μM; 6 h
	Applications:	Incubation of luteal cells in the presence of inhibitors of caspase-3 (Z-DEVD-FMK), caspase-6 (Z-VEID-FMK), caspase-8 (Z-IETD-FMK) and a general caspase inhibitor (Boc-DFMK) resulted in a reduction in the level of TNFα-induced DNA fragmentation.
In Vivo	**Animal experiment**	
	Applications:	

Product Citations

1. Xie J, Guo H, et al. "Identification ofcleavage of NS5A of C-strain classical swine fever virus." Arch Virol. 2016 Oct20.PMID:27766426

2. Chen Y, Sun M, et al, "a novel PAC-1 derivative, activatesprocaspase-3 and causes cancer cell apoptosis." Cancer Chemother Pharmacol. 2016Aug 3.PMID:27488460

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References

[1]. Abdo M1, Hisheh S, Dharmarajan A. Role of tumor necrosis factor-alpha and the modulating effect of the caspases in rat corpus luteum apoptosis. Biol Reprod. 2003 Apr;68(4):1241-8.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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