

Z-AEVD-FMK

Chemical Properties

CAS No. : 1135688-47-9

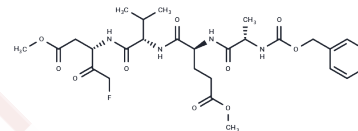
Formula: C₂₈H₃₉FN₄O₁₀

Molecular Weight: 610.63

Store at low temperature

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	Z-AEVD-FMK (Z-Ala-Glu-Val-Asp-Fluoromethyl Ketone) is a degradable ADC linker and caspase-10 inhibitor, reducing TNF- α /butyrate-induced apoptosis, and inhibiting Gal-9-induced apoptosis.
Targets(IC50)	ADC Linker
In vitro	Z-AEVD-FMK (10 μ M) inhibited anti-FAS Ab and TNF- α induced apoptosis. [1]

Solubility Information

Solubility	DMSO: 100 mg/mL (163.77 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	1.6377 mL	8.1883 mL	16.3765 mL
5 mM	0.3275 mL	1.6377 mL	3.2753 mL
10 mM	0.1638 mL	0.8188 mL	1.6377 mL
50 mM	0.0328 mL	0.1638 mL	0.3275 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.

Reference

Kashio Y, et al. Galectin-9 induces apoptosis through the calcium-calpain-caspase-1 pathway. J Immunol. 2003 Apr 1;170(7):3631-6.

Milhas, D., Cuvillier, O., Therville, N., et al. Caspase-10 triggers Bid cleavage and caspase cascade activation in FasL-induced apoptosis. The Journal of Biological Chemistry 280(20), 19836-19842 (2005).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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