

Product Data Sheet

Product Name: Z-AEVD-FMK

Cat. No.: GC45177

Chemical Properties

Cas. No. 1135688-47-9

Chemical Name methyl-14S-(2-fluoroacetyl)-11S-isopropyl-8S-(3-methoxy-3-oxopropyl)-5S-methyl-3,6,9,12-tetraoxo-1-phenyl-2-oxa-4,7,10,13-tetraazahexadecan-16-oate

SMILES C[C@H](NC(OCC1=CC=CC=C1)=O)C(N[C@@H](CCC(OC)=O)C(N[C@@H](C(C)C)C(N[C@@H](CC(OC)=O)C(CF)=O)=O)=O

Formula C₂₈H₃₉FN₄O₁₀

M.Wt 610.6

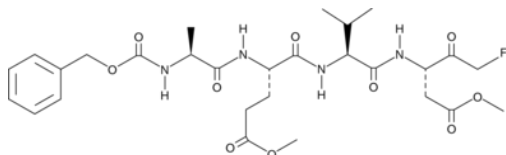
Solubility 10mg/mL in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Z-AEVD-FMK is an irreversible inhibitor of caspase-10 and related caspases.[1] At 10 μM, it can prevent the initiation of Fas signaling by caspase-10 in Jurkat T lymphoma cells, preventing Bid cleavage into its active form, caspase cascade activation, and apoptosis.[2]

Reference:

[1]. Park, S.J., Wu, C.H., Gordon, J.D., et al. Taxol induces caspase-10-dependent apoptosis. The Journal of Biological Chemistry 279(49), 51057-51067 (2004).

[2]. 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).

Caution: Product has not been fully validated for medical applications. For research use only.

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