Product name: Z-LEHD-FMK, caspase-9 inhibitor

Description: Irreversible caspase-9 inhibitor


Purity: > 98%

CAS Number: 210345-04-3

Chemical structure: Z-LEHD (Modifications: N-terminal benzyloxycarbonyl; C-terminal FMK; Glu-2 = Glu(OMe); Asp-4 = Asp(OMe))

Molecular weight: 690.70

Molecular formula: C_{32}H_{43}FN_{6}O_{10}

Sequence: LEHD (Modifications: N-terminal benzyloxycarbonyl; C-terminal FMK; Glu-2 = Glu(OMe); Asp-4 = Asp(OMe))

PubChem identifier: 44135217

Storage instructions: Shipped at 4°C. Store at -20°C. Store under desiccating conditions.

Solubility overview: Supplied in DMSO (10 mM)

Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

See SDS for further information.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES: CC(C)CC(C(=O)N(CCC(=O)OC)C(=O)NC(CC1=CN=CN1)C(=O)NC(CC(=O)OC)C(=O)CF)N C(=O)OCC2=CC=CC=C2

Source: Synthetic
Differentiated muscle cells were pre-incubated with 20 µM Z-LEHD-FMK (irreversible caspase-9 inhibitor) for 30 min before exposure to anoxic conditions. C) Light microscopy pictures demonstrates morphological changes during anoxia treatment. Arrows indicate rounded up, dead cells. D) Live/dead analysis demonstrate increased number of dead cells during 6 h anoxia, but this is unaffected by the irreversible caspase-9 inhibitor.

Functional assays: Caspase 9 Inhibitor Drug Detection Kit (ab102497)

Titration of the caspase 9 inhibitor Z-LEHD-FMK (ab142026) (duplicates; +/- SD).

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS”

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