BioVision

06/14

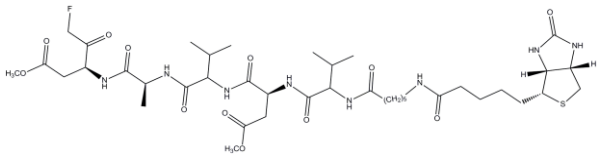
For research use only

Biotinylated Caspase-2 Inhibitor, Biotin-VDVAD-FMK

ALTERNATE NAME: Biotin--Val-Asp(OMe)-Val-Ala-Asp(OMe)-FMK; Biotin-VD(OMe)-VAD(OMe)-FMK

CATALOG #: 1032-20C 20 µl

STRUCTURE:



MOLECULAR FORMULA: $C_{40}H_{65}FN_8O_{12}S$

MOLECULAR WEIGHT: 901.05

APPEARANCE: Liquid

PURITY: Single spot by TLC

STORAGE CONDITIONS: Store at –20˚C.

SHELF LIFE: 6 months under proper storage conditions

PACKAGE CONTENTS: 20 µl (10 mM) Biotin-VDVAD-FMK in DMSO

DESCRIPTION:

This is a synthetic peptide that irreversibly inhibits caspase-2 and related caspase activity. It is a biotinylated derivative of the Caspase-2 inhibitor Z-VDVAD-FMK (Cat # 1142). This conjugation with biotin allows detection of activated caspases in conjunction with avidin-tags. The inhibitor is designed as a methyl ester to facilitate cell permeability. (**CAUTION:** If the intended use is on purified or recombinant enzymes, esterase should be added to generate free carboxyl groups).

RECOMMENDED USAGE:

We recommend using 1000X dilutions for inhibiting or binding to activated caspases (e.g., Add 1 µl to 1 ml of culture medium). However, the optimal doses should be determined individually.

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REFERENCES:

1. Thornberry, N.A., et al. (1997) J. Biol. Chem. 272:17907-17911.
2. Talanian, R.V., et al. (1997) J. Biol. Chem. 272:9677-9682.

RELATED PRODUCTS:

- Caspase-2 Inhibitor Z-VDVAD-FMK **(Cat # 1073-20C, -100)**
- Z-VDVAD-FMK **(Cat # 1142-1, -5)**
- Biotin-DEVD-FMK **(Cat # 1124-20C)**
- Biotin-IETD-FMK **(Cat # 1121-20C)**
- Biotin-VAD-FMK **(Cat # 1123-20C)**

FOR RESEARCH USE ONLY! Not to be used in humans.

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