



3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

Product Information

Acetyl-Asp-Glu-Val-Asp-7-amido-4-methylcoumarin

Product Number **A 1086**

Storage Temperature -0 °C

Product Description

Molecular Formula: $C_{30}H_{37}N_5O_{13}$

Molecular Weight: 675.7

CAS Number: 169332-61-0

Fluorescent Properties:

Excitation maximum = 380 nm¹

Emission maximum = 460 nm¹

Synonyms: Ac-DEVD-AMC

Acetyl-Asp-Glu-Val-Asp-7-Amido-4-methylcoumarin (Ac-DEVD-AMC) can be utilized as a substrate for Caspase-3 (apopain) in a continuous fluorometric assay. The K_m of Ac-DEVD as a substrate for CPP-32 (Caspase-3) is 9.7 μ M. The design of this substrate is based upon the tetrapeptide-AMC motif that has been used for ICE.¹

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

Ac-DEVD-AMC should be solubilized in a minimal amount of DMSO and then diluted with a pH 7.5 buffer.

Storage/Stability

Solutions should be prepared fresh, directly before use.

References

1. Nicholson, D. W., et al., Identification and Inhibition of the ICE/CED-3 Protease Necessary for Mammalian Apoptosis. *Nature*, **376**, 37-43 (1995).

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