



## CERTIFICATE OF ANALYSIS

**PRODUCT:** **Caspase-3 Substrate (fluorogenic)**  
[Ac-DEVD-AFC; Ac-Asp-Glu-Val-Asp-AFC],  
C<sub>30</sub>H<sub>34</sub>F<sub>3</sub>N<sub>5</sub>O<sub>13</sub>, M.W. 729.6

**PRODUCT NUMBER:** C-1127

**LOT NUMBER:** A9631A

**APPEARANCE:** White powder

**IDENTITY:** Identical to standard reference (determined by MS)

**SOLUBILITY:** Soluble in DMSO, dimethyl formamide or methanol; slightly soluble in water (0.4 mg/ml)

**PURITY (HPLC):** 98.8%

**PEPTIDE CONTENT:** 90%

<b>AMINO ACID ANALYSIS:</b>	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
	Asx: 1.80-2.20	Asx: 1.99
	Glx: 0.80-1.20	Glx: 1.00
	Val: 0.80-1.20	Val: 1.01

**APPLICATION:** Fluorogenic substrate for caspase-3. Also a substrate for caspase-1, -4 and -7. This product is similar to Ac-DEVD-AMC but the AFC fluorophore has a greater Stokes' shift upon cleavage. The peptide sequence is based on the PARP cleavage site ASP<sup>216</sup> for caspase-3.

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**STORAGE & HANDLING:** Keep cool and dry at -20°C.

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KT

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