



CERTIFICATE of ANALYSIS

PRODUCT: **Granzyme B Inhibitor I (Aldehyde)**
[Caspase-8 / Caspase-3 Processing Enzyme Inhibitor
(Aldehyde); Ac-Ile-Glu-Thr-Asp-CHO; Ac-IETD-CHO]
C₂₁H₃₄N₄O₁₀, M.W. 502.5

PRODUCT NUMBER: G-1071

LOT NUMBER: A8794

APPEARANCE: White lyophilized powder

SOLUBILITY: Can be dissolved in small amount of DMSO and diluted with a buffer (pH 7.5)

PURITY (HPLC): 97.7%

PEPTIDE CONTENT: 83%

ES-MS: Identical to standard reference

AMINO ACID ANALYSIS:	SPECIFICATIONS:	RESULTS:
	Glu: 0.80-1.20	Glu: 1.01
	Ile: 0.80-1.20	Ile: 0.98
	Thr: 0.80-1.20	Thr: 0.56*

*Thr adjacent to Asp does not hydrolyse completely during standard hydrolysis.

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APPLICATION:

Prepare a 10mM stock solution of the caspase inhibitor in high quality DMSO. Add 2 μ l of this stock solution to 1ml of culture medium containing cells to give 20 μ M final concentration. Effective final concentrations are estimated to be 5-20 μ M. If a particular caspase inhibitor is applied at higher concentrations specificity for an individual caspase or even for the caspase family (> 100 μ M) might be compromised.

DMSO concentration above 0.2% may cause cellular toxicity thus masking the effect of the caspase inhibitor.

For *in vivo* experiments extending for 12 to 48 hours, fresh inhibitor may have to be added (injected) due to inactivation by reaction with cysteine protease.

STORAGE & HANDLING:

Keep cool and dry at -20°C. Always use fresh solutions.
KEEP UNDER NITROGEN!

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