



CERTIFICATE OF ANALYSIS

PRODUCT:	Caspase Family Inhibitor (Fluoromethylketone) [Z-VAD (OMe)-FMK; Z-Val-Ala-Asp (OMe)-FMK] C ₂₂ H ₃₀ FN ₃ O ₇ , M.W. 467.5, CAS# [187389-52-2]
PRODUCT NUMBER:	C-1089
LOT NUMBER:	A8889
APPEARANCE:	97.1%
PURITY (HPLC):	Rf 0.3, single spot
IDENTITY:	Confirms (determined by MS and ¹ H-NMR)
SOLUBILITY:	Soluble in DMSO.
COUNTER ION:	Trifluoroacetate
OTHER DATA:	Caspase substrate with increased cell permeability. If purified enzyme is used, esterase should be added for the hydrolysis of the ester groups.
APPLICATION:	Prepare a 10mM stock solution of the caspase inhibitor in high quality DMSO. Add 2µl of this stock solution to 1ml of culture medium containing cells to give 20µM final concentration. Effective final concentrations are estimated

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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. Stock solutions in DMSO are stable for at least 6 months when stored at -20°C. Keep sealed after removing from the freezer until its temperature equilibrates with room temperature.

CAUTION: For research 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