



## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Calpain Inhibitor II (ALLM), synthetic</b> [N-Ac-Leu-Leu-Methioninal, Ac-LLM-CHO] C <sub>19</sub> H <sub>35</sub> N <sub>3</sub> O <sub>4</sub> S, M.W. 401.57 Da, CAS# [136632-32-1]
<b>PRODUCT NUMBER:</b>	C-1259
<b>LOT NUMBER:</b>	E1167
<b>APPEARANCE:</b>	White powder
<b>SOLUBILITY:</b>	Soluble in DMSO (25 mg/ml) or ethanol (25 mg/ml).
<b>PURITY (HPLC):</b>	≥ 95%
<b>SEQUENCE:</b>	N-Acetyl-Leu- Leu-Met-H
<b>PRODUCT DESCRIPTION:</b>	A cell- permeable inhibitor of calpain 1 (K <sub>i</sub> = 120 nM) and calpain 2 (K <sub>i</sub> = 230 nM). Also potently inhibits cathepsin B (K <sub>i</sub> = 100 nM), and cathepsin L (K <sub>i</sub> = 0.6 nM). Shown to induce caspase-dependent apoptosis in human acute lymphoblastic leukemia and non-Hodgkin's Lymphoma cells.
<b>STORAGE &amp; HANDLING:</b>	Store at -20°C. <b>PROTECT FROM LIGHT!</b>

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: AZ