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## CERTIFICATE OF ANALYSIS

**PRODUCT:** **Proteasome Inhibitor II (Aldehyde)**  
[Z-Leu-Leu-Phe-aldehyde; Z-LLF-CHO]  
C<sub>29</sub>H<sub>39</sub>N<sub>3</sub>O<sub>5</sub>, M.W. 509.7

**PRODUCT NUMBER:** P-1151

**LOT NUMBER:** A8370

**APPEARANCE:** White lyophilized powder

**SOLUBILITY:** Soluble in DMSO

**PURITY (HPLC):** 98.2%

**PEPTIDE CONTENT:** 91%

**ES-MS:** Identical to standard reference

**AMINO ACID ANALYSIS:** Leu: 2.00

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

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:

A handwritten signature in black ink, appearing to be 'JK'.