

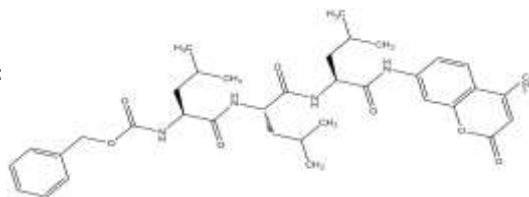
## Proteasome Substrate, Fluorogenic

**ALTERNATE NAME:** Z-LLL-AMC; Z-Leu-Leu-Leu-AMC

**CATALOG #:** 1832-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>36</sub>H<sub>48</sub>N<sub>4</sub>O<sub>7</sub>

**MOLECULAR WEIGHT:** 648.79

**APPEARANCE:** White lyophilized powder

**SOLUBILITY:** DMSO

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C

**DESCRIPTION:** A fluorogenic substrate for measuring the chymotrypsin-like peptidase activity of the 20S proteasome. Cleavage of this AMC peptide by the enzymes generates strongly fluorescent AMC that is monitored fluorometrically.  $\lambda_{\text{ex}}$ : 340-360 nm;  $\lambda_{\text{em}}$ : 440-460 nm.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

**RELATED PRODUCTS:**

- Clasto-Lactacystin  $\beta$ -Lactone (Cat. No. 1710-100)
- Lactacystin (Cat. No. 1709-200)
- MG-132 (Cat. No. 1703-5)
- EZSolution™ MG-132 (Cat. No. 1791-5)
- Suc-Leu-Leu-Val-Tyr-AMC (Cat. No. 1833-5)