

## Calpain Inhibitor I, ALLN

Cat. No. CEI-0414

Lot. No. (See product label)

### Introduction

**Description** A cell-permeable inhibitor of calpain I (K<sub>i</sub> = 190 nM), calpain II (K<sub>i</sub> = 220 nM), cathepsin B (K<sub>i</sub> = 150 nM), and cathepsin L (K<sub>i</sub> = 0.5 nM). Inhibits neutral cysteine proteases and the proteasome (K<sub>i</sub> = 6 μM). Can initiate apoptosis in HL-60 cells but blocks dexamethasone-induced apoptosis in thymocytes and cycloheximide-induced apoptosis in metamyelocytes. Inhibits cyclin B degradation and arrests the cell cycle at G1/S and at meta-/anaphase.

**Synonyms** Ac-LLnL-CHO, MG-101, N-Acetyl-L-leucyl-L-leucyl-L-norleucinal, N-Acetyl-Leu-Leu-Nle-al

### Product Information

**Appearance** White to off-white solid

**CAS No.** 110044-82-1

**Molecular Formula** C<sub>20</sub>H<sub>37</sub>N<sub>3</sub>O<sub>4</sub>

**Molecular Weight** 692.71

**Purity** >98%

**Targets** calpain I, calpain II, cathepsin B, cathepsin L

**Solubility** H<sub>2</sub>O (50 mg/ml)

### Storage and Shipping Information

**Storage** RT

**Shipping Conditions** RT