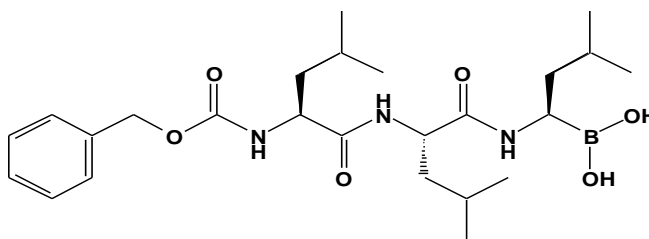


MATERIAL DATA SHEET**Z-Leu-Leu-Leu-B(OH)₂ (MG-262)****Cat. # I-120**

This peptide boronic acid is structurally similar to the peptide aldehyde MG-132 and also inhibits the chymotrypsin-like peptidase activity of the proteasome, but with much higher potency. These inhibitors are reversible and cell-permeable, and also inhibit the activity of calpains and cathepsins.

Product Information**Quantity:** 200µg | 1 mg**Formula:** C₂₅H₄₂BN₃O₆ **FW:** 491.44**Structure:****Physical/Chemical Characteristics****Solubility:** Soluble and stable in DMSO up to 15 mg/ml.**Purity:** > 95% by HPLC. Structure confirmed by ¹H-NMR.**Activity:** K_i = 0.023 nM vs. SDS-activated 20S Proteasome.**Use & Storage****Use:** Highly potent and selective cell-permeable inhibitor of the proteasome.**Storage:** Store at -20°C. Avoid multiple freeze/thaw cycles.**Literature****References:** Adams J., *et al.* (1998) *Bioorg. Med. Chem. Lett.* **8**:333-338
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McCormack T.A. *et al.* (1998) *Biochem.* **37**:7792-7800
Myung J., *et al.* (2001) *Med. Res. Rev.* **4**:245-273
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