

Lot # XXXXX

BostonBiochem

## MATERIAL DATA SHEET

**AM 114**

**Cat. # I-185**

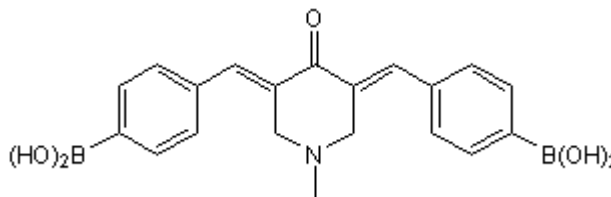
Inhibitor of the chymotrypsin-like activity of the 20S proteasome. Displays anticancer activity; inhibits cell growth in human colon cancer HCT116 p53+/+ cells.

### Product Information

**Quantity:** X mg

**Formula:** C<sub>20</sub>H<sub>21</sub>B<sub>2</sub>NO<sub>5</sub> **FW:** 377.01

**Structure:**



### Physical/Chemical Characteristics

**Solubility:** Soluble to 10 mM DMSO.

**Purity:** > 98%

**Activity:** IC<sub>50</sub> ~ 1 µM (20S inhibition), IC<sub>50</sub> = 1.49 µM (cell growth in colon cancer HCT116 p53+/+ cells)

### Use & Storage

**Use:** Add from DMSO stock directly to in vitro or in vivo assays at desired concentration. Pre-incubation with compound prior to assay is recommended for maximal effect.

**Storage:** Store stock solution at -20°C. Avoid multiple freeze/thaw cycles.

### Literature

**References:** Achanta, *et al* (2005) Proc.Am.Assoc.Cancer Res. Abstr. 46: 6162  
Achanta, *et al* (2006) Mol.Pharmacol. 70: 426.

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