

MATERIAL DATA SHEET

AM 114
Cat. # I-185

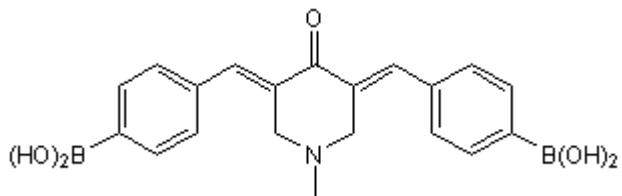
Inhibitor of the chymotrypsin-like activity of the 20S proteasome. Displays anticancer activity; inhibits cell growth in human colon cancer HCT116 p53+/+ cells.

Product Information

Quantity: X mg

Formula: C₂₀H₂₁B₂NO₅ **FW:** 377.01

Structure:

**Physical/Chemical Characteristics**

Solubility: Soluble to 10 mM DMSO.

Purity: > 98%

Activity: IC₅₀ ~ 1 µM (20S inhibition), IC₅₀ = 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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