

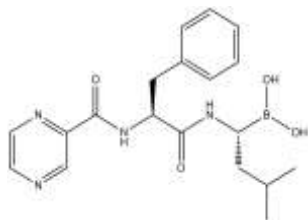
PS-341

ALTERNATE NAME: MG-341; ((R)-3-Methyl-1-((S)-3-phenyl-2-(pyrazine-2-carboxamido)propanamido)butyl)boronic acid

CATALOG #: 1846-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₉H₂₅BN₄O₄

MOLECULAR WEIGHT: 384.24

CAS NUMBER: 179324-69-7

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (200 mg/ml) or EtOH (200 mg/ml)

PURITY: ≥99% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A potent (K_i = 0.6 nM), specific and reversible proteasome inhibitor. It inhibits cell proliferation of H460 cells (Human non-small cell lung cancer cell lines) with an IC₅₀ of 0.1 μM.

REFERENCE: Ling, Y., *et al.* (2003). *Clin.Cancer Res.* **9**, 1145-1154; Adams, J. (2002). *The Oncologist* **7**, 9-16;

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

RELATED PRODUCTS:

- IU1 (Cat. No. 1845-5, 25)
- Lactacystin (Cat. No. 1709-200)
- Clasto-Lactacystin β-Lactone (Cat. No. 1710-100)
- MG-115 (Cat. No. 1831-1,5)
- MG-132 (Cat. No. 1703-5)
- EZSolution™ MG-132 (Cat. No. 1791-5)
- NEDD8-AMC (Cat. No. 4843-25)
- Proteasome Substrate, Fluorogenic (Cat. No. 1832-1,5)
- Suc-Leu-Leu-Val-Tyr-AMC (Cat. No. 1833-5)
- Ubiquitin-AMC (Cat. No. 4842-25)

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