

Bortezomib Biochemical

Bortezomib

CATALOG #
AAA201911

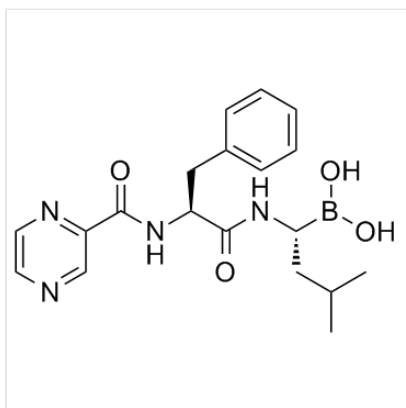
PRODUCT SYNONYMS

Bortezomib; PS-341; PS341; PS 341; Bortezomib biochemical

PRODUCT SPECIFICATIONS

Molecular Formula	C ₁₉ H ₂₅ BN ₄ O ₄
Chemical Name	Boronic acid, B-[(1R)-3-methyl-1-[[[(2S)-1-oxo-3-phenyl-2-[(2-pyrazinylcarbonyl)amino]propyl]amino]butyl]-
Pathway	Proteasome/Ubiquitin
Target	Proteasome
Receptor	20Sproteasome
Solubility	10 mM in DMSO
Smiles	CC(C)C[C@@H](B(O)O)NC([C@@H](NC(C1=NC=CN=C1)=O)CC2=CC=CC=C2)=O
Preparation and Storage	Store at -20°C.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for Bortezomib biochemical	Bortezomib (PS-341) is apotent, selective, competitive, orally active Proteasome inhibitor with Ki of 0.6 nM for 20S Proteasome; shows only modest activity toward serine and thiol proteases (cathepsin G, elastase, chymotrypsin Ki>300nM); inhibits the TNF?-stimulated activation of NF-?B in primary HUVE cells (IC50=0.5 uM) by blocking the degradation of the inhibitor I?B? exhibits anti-inflammatory effects in vivo. Blood Cancer Approved.
Product Categories/Family for Bortezomib biochemical	Blood cancer; Proteasome/Ubiquitin; Cancer

References

1. Palombella VJ, et al. Proc Natl Acad Sci U S A. 1998 Dec 22; 95 (26):15671-6.
2. Frankel A, et al. Clin Cancer Res. 2000 Sep; 6 (9):3719-28.
3. Teicher BA, et al. Clin Cancer Res. 1999 Sep; 5 (9):2638-45.
4. Adams J, et al. Bioorg Med Chem Lett. 1998 Feb 17; 8 (4):333-8.

NCBI AND UNIPROT INFORMATION

Molecular Weight

384.24

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/bortezomib/201911>