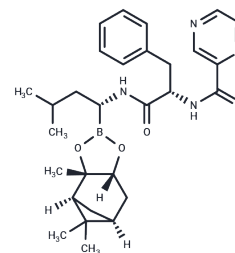


## Bortezomib-pinandediol

## Chemical Properties

CAS No. :	205393-22-2
Formula:	C <sub>29</sub> H <sub>39</sub> BN <sub>4</sub> O <sub>4</sub>
Molecular Weight:	518.46
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Bortezomib-pinandediol is a proteasome inhibitor. is a prodrug of Bortezomib.
Targets(IC50)	Proteasome
In vivo	Bortezomib-pinandediol (BP)-loaded HA-CCMs exhibit markedly enhanced toleration, broadened therapeutic window, and significantly more effective growth suppression of CD44-overexpressed multiple myeloma in nude mice than free bortezomib. Lipophilized BTZ-loaded HA-CCMs has opened a new avenue for targeted bortezomib therapy of multiple myeloma.

## Solubility Information

Solubility	DMSO: 2.87 mg/mL (5.54 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9288 mL	9.6439 mL	19.2879 mL
5 mM	0.3858 mL	1.9288 mL	3.8576 mL
10 mM	0.1929 mL	0.9644 mL	1.9288 mL
50 mM	0.0386 mL	0.1929 mL	0.3858 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zhaoxin, Gu, Xiuxiu, et al. Hyaluronic acid shell and disulfide-crosslinked core micelles for in vivo targeted delivery of bortezomib for the treatment of multiple myeloma.[J]. Acta Biomaterialia, 2018.

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