

Bortezomib, Proteasome inhibitor

Catalog	Unit
TBI2120-5MG	5 mg
TBI2120-25MG	25 mg

Product Details

Formal Name: N-(2-Pyrazine)carbonyl-L-phenylalanine-L-leucine boronic acid

Alternate Names: MG-341; PS-341; MLN341

Molecular Formula: C₁₉H₂₅BN₄O₄

Formula Weight: 384.20

CAS Number: 179324-69-7

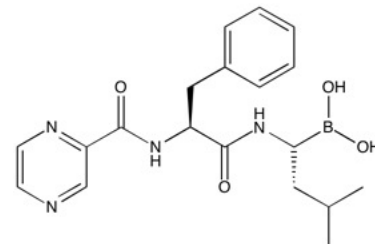
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 35 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

Proteasome inhibitor

Functions

Potent and selective proteasome inhibitor (K_i=0.6 nM). Inhibits proliferation of a number of tumor cell lines (IC₅₀=7 nM). Inhibits TNF α synthesis and FGF-induced angiogenesis. Clinically useful agent for treatment of multiple myeloma. Shows promise in the treatment of neurodegenerative diseases in which low-expressing proteins such as IKAP/hELP1 in familial dysautonomia are preserved. Reversible. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 35 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.