

Tianeptine sodium, proteasome inhibitor

Catalog No :	CAS Number:	Molecular formula :	Mol.Wt. (Da):
A50036		C ₂₆ H ₄₁ N ₃ O ₅	475.62

Targets Proteasome

Storage 3 years -20°C Powder;
6 months -80°C in solvent (DMSO, water, etc.)

Solubility Dissolved in DMSO, and diluted in PBS

Description MG-132 is an inhibitor of proteasome with IC₅₀ of 100 nM, and also inhibits calpain with IC₅₀ of 1.2 μM.

In vitro Administration of MG-132 effectively rescues the expression levels and plasma membrane localization of dystrophin, β-dystroglycan, α-bdystroglycan, and α-sarcoglycan in skeletal muscle fibers from mdx mice, reduces muscle membrane damage, and ameliorates the histopathological signs of muscular dystrophy. MG-132 treatment significantly reduces immobilization-induced skeletal muscle atrophy in mice, by downregulating the muscle-specific ubiquitin ligases atrogen-1/MAFbx and MuRF-1 mRNA.

Chemical structure

Trademarks

All product names and trademarks are the property of their respective owners.

Regulatory Disclaimer

For life science research only. Not for use in diagnostic procedures.

Contact and Support:

To ask questions, solve problems, suggest enhancements and report new applications, please visit our [Online Technical Support Site](#).

To call, write, fax, or email us, please visit www.aabsci.cn, contact information will be displayed.