Ketanserin , proteasome inhibitor

Catalog No :	CAS Number:	Molecular formula :	Mol.Wt. (Da):
A50019		C26H41N3O5	475.62

Targets Proteasome

Storage 3 years -20℃ Powder;
6 months -80℃ 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 atrogin-1/MAFbx and MuRF-1 mRNA.

Chemical structure

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