Lactacystin (Synthetic)

Cat. No. CEI-0393

Lot. No. (See product label)

Introduction

Description	Cell-permeable. A potent and selective inhibitor of the 20 S proteasome. Binds irreversibly to the active site N-terminal threonine residue of the catalytic β-subunit of the 20S proteasome, thereby inhibiting its chymotrypsin and trypsin-like activities. Induces neurite outgrowth in Neuro 2A neuroblastoma cells and has been reported to induce apoptosis in human monoblast U937 cells. Also inhibits NF-kB activation (IC50 = 10 μM).

Product Information

Appearance	White solid
CAS No.	133343-34-7
Molecular Formula	$C_{15}H_{24}N_2O_7S$
Molecular Weight	360.43
Purity	>95% by HPLC
Targets	20 S proteasome
Solubility	DMSO (10 mg/ml)

Storage and Shipping Information

Storage	+4 centigrade
Shipping Conditions	RT