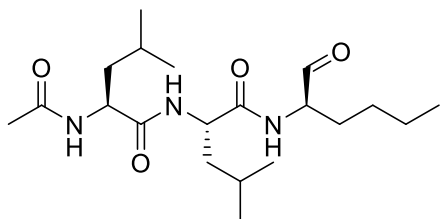




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
406548	MG-101	BBC51218

Chemical name	
(S)-2-acetamido-4-methyl-N-((S)-4-methyl-1-oxo-1-(((R)-1-oxohexan-2-yl)amino)pentan-2-yl)pentanamide	
Synonyms	
Calpain Inhibitor I; MG-101; MG 101; MG101; ALLN; AcLLnLCHO, Ac-Leu-Leu-Nle-Aldehyde.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 406548 Name: MG-101 CAS#: 110044-82-1 Lot#: BBC51218 Chemical Formula: C ₂₀ H ₃₇ N ₃ O ₄ Exact Mass: 383.27841 Molecular Weight: 383.53

Analysis item	Specifications / Results
Appearance	White solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO.
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Self life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE