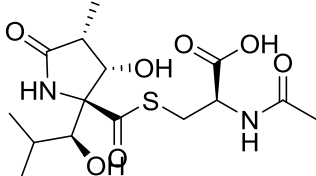




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
540261	Lactacystin	S9G04M17

Chemical name	
N-acetyl-S-((2S,3S,4R)-3-hydroxy-2-((S)-1-hydroxy-2-methylpropyl)-4-methyl-5-oxopyrrolidine-2-carbonyl)-L-cysteine	
Synonyms	
Lactacystin	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 540261 Name: Lactacystin CAS#: 133343-34-7 Lot#: S9G04M17 Chemical Formula: C ₁₅ H ₂₄ N ₂ O ₇ S Exact Mass: 376.1304 Molecular Weight: 376.42

Analysis item	Specifications / Results
Appearance	White to off-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)	>90.0%
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
Shelf life	At least 5 years if properly stored.

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