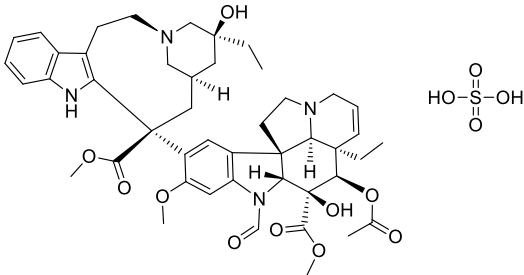




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100920	Vincristine sulfate	T20Z06C15

Chemical name	
(3aR,3a1R,4R,5S,5aR,10bR)-methyl 4-acetoxy-3a-ethyl-9-((3R,5S,7R,9S)-5-ethyl-5-hydroxy-9-(methoxycarbonyl)-2,4,5,6,7,8,9,10-octahydro-1H-3,7-methano[1]azacycloundecino[5,4-b]indol-9-yl)-6-formyl-5-hydroxy-8-methoxy-3a,3a1,4,5,5a,6,11,12-octahydro-1H-indolizino[8,1-cd]carbazole-5-carboxylate sulfate	
Synonyms	
leurocristine sulfate. Brand name: Vincasar PFS; Oncovin. Abbreviation: VCR.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 100920 Name: Vincristine sulfate CAS#: 2068-78-2 Lot#: T20Z06C15 Chemical Formula: C ₄₆ H ₅₈ N ₄ O ₁₄ S Molecular Weight: 923.04 <i>Vincristine (free base)</i> Chemical Formula: C ₄₆ H ₅₆ N ₄ O ₁₀ Exact Mass: 824.39964; Molecular Weight: 824.96

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)	>99.0%
Solubility	Soluble in DMSO and H ₂ O
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