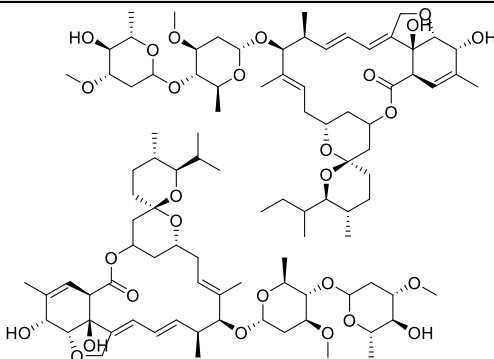


# Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
326779	Ivermectin	C20B06B02

Chemical name	
22,23-dihydroavermectin B1a + 22,23-dihydroavermectin B1b	
Synonyms	
MK-933; Ivermectin; Ivomec; L 64047; 1 Mectizan; MK 933; MK-0933; Noromectin; Pandex	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 326779 Name: Ivermectin CAS#: 70288-86-7 Lot#: C20B06B02 Chemical Formula: $C_{48}H_{74}O_{14} \cdot C_{47}H_{72}O_{14}$ Exact Mass: 1736.0001 Molecular Weight: 1736.18

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	$^1\text{H}$ -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
Shelf life	At least 5 years if properly stored.

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