Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#
100910	Valrubicin	TZC40613

Chemical name		
2-oxo-2-((2S,4S)-2,5,12-trihydroxy-4-(((2S,4S,5S,6S)-5-hydroxy-6-methyl-4-(2,2,2-		
trifluoroacetamido)tetrahydro-2H-pyran-2-yl)c	(xy)-7-methoxy-6,11-dioxo-1,2,3,4,6,11-	
hexahydrotetracen-2-yl)ethyl pentanoate		
Synonyms		
US brand name: Valstar. Foreign brand name: Valtaxin. Code name: AD 32. Chemical		
structure name: N-trifluoroacetyladriamycin-14-valerate.		
Chemical structure	CAS# and Theoretical analysis	
Ö ÖH Ö'Ğ	MedKoo Cat#: 100910	
OH	Name: Valrubicin	
	CAS#: 56124-62-0	
O O OH	Lot#: TZC40613	
O,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Chemical Formula: C ₃₄ H ₃₆ F ₃ NO ₁₃	
o mondo	Exact Mass: 723.21387	
<u> </u>	Molecular Weight: 723.64	

Analysis item	Specifications/Results
Appearance	Red 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
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