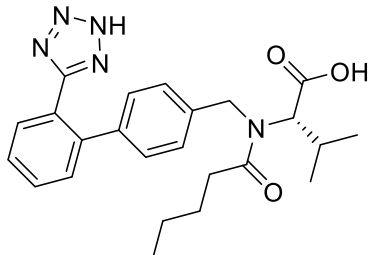




## Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
318970	Valsartan	BBC60919

Chemical name	
(S)-3-methyl-2-(N-([2'-(2H-1,2,3,4-tetrazol-5-yl)biphenyl-4-yl)methyl]pentanamido)butanoic acid	
Synonyms	
CGP48933; CGP-48933; CGP 48933; Valsartan, trade name Diovan; Miten; Nisis; Prova; Tareg; Vals; Walsartan.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 318970 Name: Valsartan CAS#: 137862-53-4 Lot#: BBC60919 Chemical Formula: C <sub>24</sub> H <sub>29</sub> N <sub>5</sub> O <sub>3</sub> Exact Mass: 435.22704 Molecular Weight: 435.53

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	<sup>1</sup> 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
Shelf life	At least 5 years if properly stored.

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