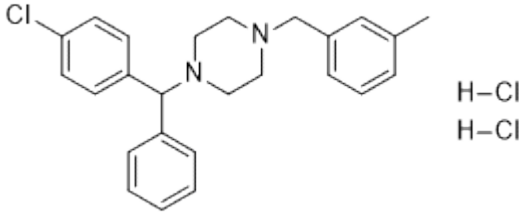


# Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
318176	Meclizine Dihydrochloride	S8P06C14

Chemical name	
1-[(4-chlorophenyl)-phenylmethyl]-4-[(3-methylphenyl)methyl]piperazine dihydrochloride	
Synonyms	
Meclizine hydrochloride; Meclizine dihydrochloride monohydrate; Meclizine Hcl; C <sub>25</sub> H <sub>27</sub> ClN <sub>2</sub> .2HCl.H <sub>2</sub> O; Roberts Brand of Meclizine Dihydrochloride; Ru Vert M; Ru-Vert-M; RuVertM; Torrens Brand of Meclizine Dihydrochloride.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 318176 Name: Meclizine Dihydrochloride CAS#: 1104-22-9 (2HCl) Lot#: S8P06C14 Chemical Formula: C <sub>25</sub> H <sub>29</sub> Cl <sub>3</sub> N <sub>2</sub> Molecular Weight: 463.87

Analysis item	Specifications / Results
Appearance	White to light yellow crystalline 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)	>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**