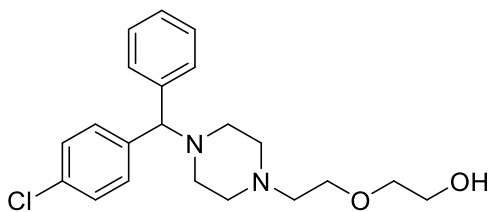




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
593005	Hydroxyzine free base	T8R12C08

Chemical name	
Ethanol, 2-(2-(4-((4-chlorophenyl)phenylmethyl)-1-piperazinyl)ethoxy)-	
Synonyms	
Hydroxyzine; NSC 169188; NSC-169188; NSC169188; U.C.B 4492	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 593005 Name: Hydroxyzine free base CAS#: 68-88-2 (free base) Lot#: T8R12C08 Chemical Formula: C ₂₁ H ₂₇ ClN ₂ O ₂ Exact Mass: 374.1761 Molecular Weight: 374.91

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)	>98.0%
Solubility	Slightly soluble in DMSO and methanol
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