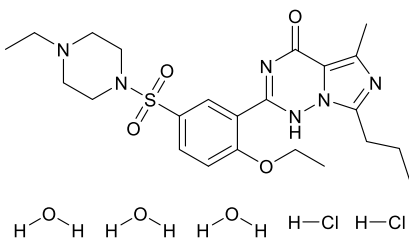




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
326826	Vardenafil hydrochloride trihydrate	C20B09B30

Chemical name	
2-(2-ethoxy-5-((4-ethylpiperazin-1-yl)sulfonyl)phenyl)-5-methyl-7-propylimidazo[5,1-f][1,2,4]triazin-4(1H)-one dihydrochloride trihydrate	
Synonyms	
BAY 38-9456; BAY-38-9456; BAY38-9456; Vardenafil hydrochloride trihydrate; Vardenafil HCl; Levitra; Staxyn; Vivanza	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 326826 Name: Vardenafil hydrochloride trihydrate CAS#: 330808-88-3 Lot#: C20B09B30 Chemical Formula: C ₂₃ H ₄₀ Cl ₂ N ₆ O ₇ S Molecular Weight: 615.57

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)	>96.0%
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