

Item Number	D1163
Item	Diltiazem Hydrochloride, USP
CAS Number	33286-22-5
Molecular Formula	C ₂₂ H ₂₆ N ₂ O ₄ S•HCl
Molecular Weight	450.98
MDL Number	
Synonyms	(+)-cis-3-Acetoxy-5-(2-dimethylaminoethyl)-2,3-dihydro-2-(4-methoxyphenyl)-1,5-benzothiazepin-4(5H)-one Hydrochloride

Test	Specification	
	Min	Max
ASSAY (DRIED BASIS)	98.0	102.0%
SPECIFIC ROTATION [α] _D	+110° to +116°	
LOSS ON DRYING		0.5%
RESIDUE ON IGNITION		0.1%
ELEMENTAL IMPURITIES:		
NICKEL (Ni)	AS REPORTED	
MOLYBDENUM (Mo)	AS REPORTED	
CHROMIUM (Cr)	AS REPORTED	
ORGANIC IMPURITIES:		
DESACETYL DILTIAZEM HYDROCHLORIDE		0.5 %
INDIVIDUAL IMPURITIES		0.5 %
TOTAL IMPURITIES		1.0 %
IDENTIFICATION (A)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)	RETENTION TIME CORRESPONDS TO STANDARD	
IDENTIFICATION (C)	POSITIVE FOR CHLORIDE	
APPEARANCE		
EXPIRATION DATE		
DATE OF MANUFACTURE		
RESIDUAL SOLVENTS:	AS REPORTED	

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