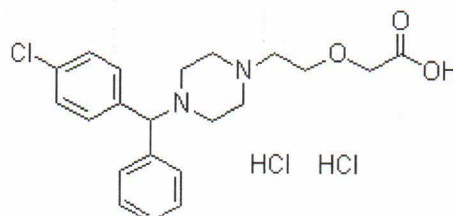


Batch no 250226-2
Mf date Feb 28 2025
Retest Feb 27 2030

Molecular Structure



Molecular Formula $C_{21}H_{25}ClN_2O_3 \cdot 2HCl$
Molecular Weight 461.81
CAS Registry Number 83881-52-1

Mar 21 2025

Tests	Specifications	Results
Appearance	White or off-white powder	Conforms
Solubility	Soluble in water, almost insoluble in dichloromethane or acetone	Conforms
Identification	IR, UV	Positive
Related substances	Impurity A	ND
	Impurity B	ND
	Impurity C	ND
	Impurity D	ND
	Impurity E	ND
	Impurity F	ND
	Individual unknown impurity	ND
	Total impurity	ND
Loss on drying	$\leq 0.5\%$	0.4%
Residue on ignition	$\leq 0.2\%$	0.1%
pH	1.2 ~ 1.8	1.6
Residual solvents	Acetone	$\leq 0.5\%$
	Methylene chloride	$\leq 0.06\%$
	Benzene	$\leq 0.0002\%$
	Toluene	$\leq 0.089\%$
	N,n-Dimethylformamide	$\leq 0.088\%$
Assay (odb)	99.0 ~ 101.0% of $C_{21}H_{25}ClN_2O_3 \cdot 2HCl$	99.5%
Packaging & storage	Preserve in tight containers and store in a dry place	
Conclusion	Material complies with EP10.0	