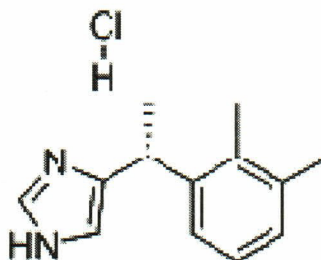


Medetomidine HCl

Batch no 001251104A
Mf date Nov 04 2025
Retest Oct 2027
Batch size 178.5 kg

Molecular Structure



Molecular Formula $C_{13}H_{16}N_2 \cdot HCl$
Molecular Weight 236.74
CAS Registry Number 86347-15-1

Dec 03 2025

Tests	Specifications	Results
Appearance	White or almost white crystalline powder, very hygroscopic	White crystalline powder, hygroscopic
Identification	Chemical test, IR, chloride test	Positive
pH	3.5 ~ 4.5	4.3
Clarity & color of solution	Clear & colorless, if there is the turbidity & color, less than turbidity-1 & yellow-1	Less than turbidity-1 colorless
Related substances	Max single impurity $\leq 0.1\%$ Total impurities $\leq 1.0\%$	0.014% 0.036%
Loss on drying	$\leq 1.0\%$	0.2%
Residue on ignition	$\leq 0.1\%$	0.055%
Heavy metals	≤ 10 ppm	Conforms
Residual solvents	Methanol $\leq 0.3\%$ Acetone $\leq 0.5\%$ Dichloromethane $\leq 0.06\%$	0.046% 0.032% ND
Assay (odb)	$\geq 99.0\%$	99.9%

Packaging & storage	Preserve in tight containers. Store at controlled room temperature.
Conclusion	Material complies with in-house standard