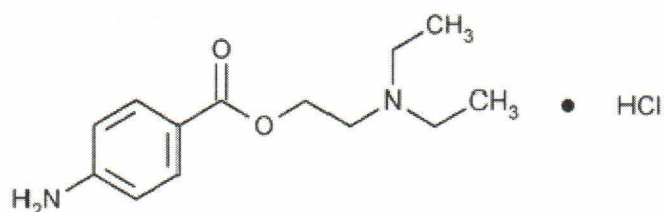


Batch no 20221203
Mf date Dec 03 2022
Expiry Dec 02 2026

Molecular Structure



Molecular Formula $C_{13}H_{20}N_2O_2 \cdot HCl$
Molecular Weight 272.77
CAS Registry Number 51-05-8

Aug 18 2025

Tests	Specifications	Results
Appearance	White crystalline powder	Conforms
Identification	Test A, B, C	Positive
Melting point	153 ~ 158°C	154.5 ~ 155°C
Acidity	≤ 0.5mL 0.02mol/L NaOH	Conforms
Chromatographic purity	Secondary spots ≤ 0.5%	Conforms
	Sum ≤ 1.0%	Conforms
Loss on drying	≤ 1.0%	0.02%
Residual on ignition	≤ 0.15%	0.06%
Heavy metals	≤ 20 ppm	< 5 ppm
Assay (odb)	99.0 ~ 101.0% of $C_{13}H_{20}N_2O_2 \cdot HCl$	100.3%

Packaging & storage	Preserve in well-closed containers, store protected from light.
Conclusion	Material complies with USP36