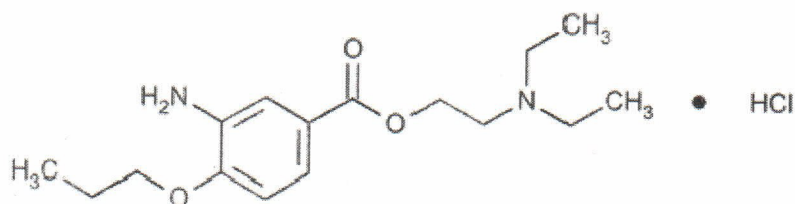


Proparacaine HCl

Batch no 20250201
Mf date Feb 11 2025
Retest Feb 10 2028

Molecular Structure



Molecular Formula $C_{16}H_{26}N_2O_3 \cdot HCl$
Molecular Weight 330.85
CAS Registry Number 5875-06-9

Jul 17 2025

Tests	Specifications	Results
Appearance	White or almost white powder	Almost white powder
Solubility	Slightly soluble in ethanol, soluble in water, practically insoluble in ethyl acetate	Conforms
Identification	UV, reaction of chloride	Positive
Melting point	178 ~ 185°C, and the range $\leq 2^\circ C$	181.4 ~ 182.1°C
Loss on drying	$\leq 0.5\%$	0.13%
Residual on ignition	$\leq 0.1\%$	0.02%
Heavy metals (Pb)	≤ 10 ppm	Conforms
pH	5.7 ~ 6.4	6.4
Related substances	Maximum single impurity $\leq 0.1\%$ Total impurities $\leq 0.5\%$	0.04% 0.06%
Assay (odb)	97.0 ~ 103.0% of $C_{16}H_{26}N_2O_3 \cdot HCl$	99.6%

Packaging & storage	Preserve in well-closed containers
Conclusion	Material complies with in-house standard

