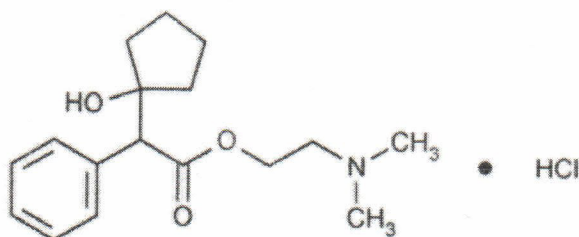


Molecular Structure



Molecular Formula $C_{17}H_{25}NO_3 \cdot HCl$

Molecular Weight 327.85

CAS Registry Number 5870-29-1

Jul 14 2025

Tests	Specifications	Results
Appearance	White or almost white crystalline powder	White crystalline powder
Solubility	Very soluble in water, freely soluble in ethanol	96% Conforms
Identification	IR, HPLC, chloride test	Positive
Loss on drying	$\leq 0.5\%$	0.25%
pH (1% solution)	4.5 ~ 5.5	4.94
Residue on ignition	$\leq 0.05\%$	0.02%
Chromatographic purity (HPLC)	Individual impurity $\leq 1.0\%$ Total impurities $\leq 2.0\%$	0.284% 0.516%
Residual solvents	Diethyl ether ≤ 5000 ppm Acetone ≤ 5000 ppm Hexane ≤ 290 ppm Toluene ≤ 890 ppm	31 ppm 2031 ppm BDL 43 ppm
Assay (HPLC) odb	98.0 ~ 102.0% of $C_{17}H_{25}NO_3 \cdot HCl$	99.44%

Packaging & storage	Preserve in tight containers, and store in a cold place.
Conclusion	Material complies with USP43

