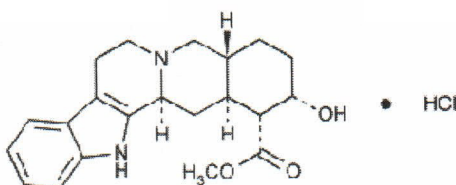


Batch no YN20250420  
Mf date Apr 20 2025  
Retest Apr 19 2027

Molecular Structure



Molecular Formula  $C_{21}H_{26}N_2O_3 \cdot HCl$   
Molecular Weight 390.91  
CAS Registry Number 65-19-0

Jun 09 2025

Tests	Specifications	Results
Description	White to light yellow powder, characteristic	Conforms
Solubility	Soluble in boiling water; slightly soluble in water and in alcohol	Conforms
Identification	IR, UV, TLC, chemical method	Positive
Optical rotation	+100 ~ +150°	+103.4°
Loss on drying	≤ 1.0%	0.55%
Residual solvents	Methanol	≤ 3000 ppm
	Ethylene dichloride	≤ 1870 ppm
	Chloroform	≤ 60 ppm
Chromatographic purity	≤ 1.0%	Conforms
Individual sum of purity	≤ 2.0%	Conforms
Related substances	Single impurity	≤ 1.0%
	Total impurities	≤ 2.0%
		Conforms
Microbiology limits	Total plate count	≤ 1000 cfu/gr
	Yeast & mold	≤ 100 cfu/gr
	E. Coli	Negative
	Salmonella	Negative
	Staphy aureus	Negative
Assay (HPLC) odb	98.0 ~ 102.0%	99.28%

Packaging & storage	Preserve in tight containers, and store at controlled room temperature
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Conclusion	Material complies with USP42
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