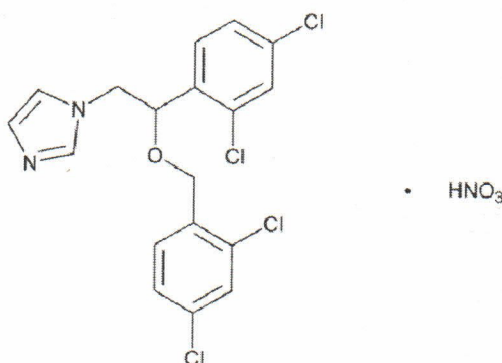


Batch no 250416
Mf date Apr 16 2025
Exp date Apr 15 2028
Batch size 100 kgs

Molecular Structure



Molecular Formula C₁₈H₁₄Cl₄N₂O · HNO₃
Molecular Weight 479.14
CAS Registry Number 22832-87-7

Jul 22 2025

Tests	Specifications	Results
Appearance	White or almost white powder	Conforms
Solubility	Very slightly soluble in water; slightly soluble in methanol and in alcohol	Conforms
Identification	IR	Positive
Relative absorption rat	1.18 ~ 1.22	Conforms
Optical rotation	-0.1 ~ +0.1°	Conforms
Related substances (HPLC)	Each impurity ≤ 0.25% Total impurities ≤ 0.5%	0.13% 0.25%
Melting point	178 ~ 183°C	181 ~ 182°C
Loss on drying	≤ 0.5%	0.01%
Residue on ignition	≤ 0.1%	0.02%
Residue solvents	Toluene ≤ 890 ppm Ethanol ≤ 5000 ppm	65 ppm 760 ppm
Particle size	90% ≤ 125 micron	Conforms
Assay (odb)	98.5 ~ 102.0%	99.85%
Packaging & storage	Preserve in well-closed containers, protected from light	
Conclusion	Material complies with USP41	