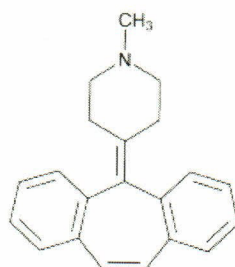


Cyproheptadine HCl USP41

Batch no 260311
Mf date Mar 11 2026
Retest Mar 10 2031

Molecular Structure



• HCl • 1½ H₂O

Molecular Formula C₂₁H₂₁N·HCl·1½H₂O
Molecular Weight 350.88
CAS Registry Number 41354-29-4
Synonyms 4-(5H-Dibenzo[a, d]cyclohepten-5-ylidene)-1-methylpiperidine hydrochloride sesquihydrate

May 07 2026

Tests	Specifications	Results
Appearance	White or slightly yellow, odorless or practically odorless, crystalline powder	A white crystalline powder
Solubility	Slightly soluble in water, freely soluble in methanol, hardly soluble in ethanol	Conforms
Identification	IR, UV, color test	Positive
Related substances (HPLC)	Meets the requirements	Conforms
Acidity (0.05% as HCl)	≤ 0.15 mL	0.13 mL
Water by KF	7.0 ~ 9.0%	7.7%
Heavy metals	≤ 0.002%	< 0.002%
Residue on ignition	≤ 0.1%	0.08%
Assay (oab) by titration	≥ 98.5%	99.5%

Packaging and storage	Preserve in well-closed containers
Conclusion	Material complies with USP41