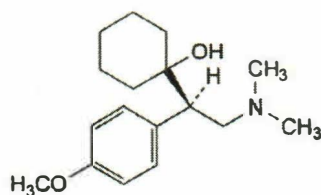


Batch no M-102-20260901A
Mf date Sep 03 2026
Retest Sep 02 2030

Molecular Structure



and enantiomer, HCl

Molecular Formula $C_{17}H_{28}ClNO_2$

Molecular Weight 313.9

CAS Registry Number 99300-78-4

Oct 13 2026

Tests	Specifications	Results
Appearance	White or almost white powder	White powder
Solubility	Freely soluble in water & in methanol, soluble in anhydrous ethanol, slightly soluble or practically insoluble in acetone, Shows polymorphism	Conforms
Identification	IR, Chloride test	Positive
Acidity or alkalinity	0.01M sodium hydroxide $\leq$ 0.2 mL	Conforms
Related substances	Impurity C $\leq$ 0.1%	ND
	Impurity D $\leq$ 0.1%	ND
	Impurity F $\leq$ 0.1%	ND
	Impurity CHD $\leq$ 0.1%	ND
	Max individual unknown impurity $\leq$ 0.1%	0.00%
	Total impurities $\leq$ 0.2%	0.01%
Residual solvents	Toluene $\leq$ 890 ppm	ND
	THF $\leq$ 720 ppm	ND
	Ethyl acetate $\leq$ 5000 ppm	ND
	Isopropanol $\leq$ 5000 ppm	568 ppm
	Ethanol $\leq$ 5000 ppm	ND
Loss on drying	$\leq$ 0.5%	0.02%
Sulfated ash	$\leq$ 0.1%	0.02%
Heavy metals	$\leq$ 0.002%	< 0.002%
Assay (odb)	99.0 ~ 101.0% of $C_{17}H_{28}ClNO_2$	100.2%

Packaging & storage	Preserve in well-closed containers and store below 30°C
Conclusion	Material complies with EP
Note	CHD:hydroxy cyclohexyl-4-methoxy phenyl acetonitrile