



Certificate of analysis

Product name: Maropitant Citrate

Cas number: 359875-09-5

Molecular Formula: C₃₈H₅₀N₂O₉

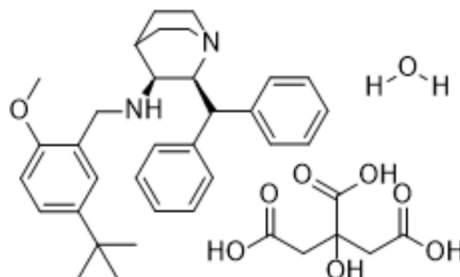
Molecular Weight: 678.82

Date of production: April. 02, 2019

Batch NO: 20190402

EXP DATE: April. 01, 2021

Chemical structure:



Items	Specifications	Results
Appearance	White to off-white powder	Conforms
Identification	IR HPLC	Conforms
Single max impurity	≤0.50%	0.05%
Total impurity	≤1.0%	0.2%
Heavy metals	≤10ppm	Conforms
Residue on Ignition	≤0.1%	0.07%
Water	1.5%~4.5%	3.4%
Residual Solvents	DCM ≤600PPM	N.D
	Ethyl Acetate ≤5000PPM	N.D
	Ethanol ≤5000PPM	N.D
	Methanol ≤3000PPM	172ppm
	Toluene ≤890PPM	N.D
	n-Heptane ≤5000PPM	N.D
	Iso-Propanol ≤5000PPM	N.D
	Acetone ≤5000PPM	4341ppm
	MTBE ≤5000PPM	N.D
Chiral purity (EE value)	99.0%	100.0%
Assay	97.0%~103.0% (Anhydrous basis)	101.8%
Purity (HPLC)	≥99.0%	99.8%

Conclusion: It complies with the Enterprise Standard.