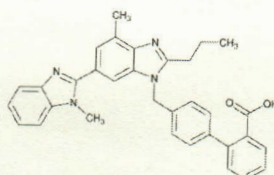


Telmisartan USP-NF2023

Batch no 260404-11
Mf date Apr 06 2026
Expiry Apr 05 2029
Batch size 365.8 kg

Molecular Structure



Molecular Formula $C_{33}H_{30}N_4O_2$
Molecular Weight 514.62
CAS Registry Number 144701-48-4

Aug 13 2026

Tests	Specifications	Results
Appearance	White or off-white crystalline powder	Conforms
Solubility	Practically insoluble in water, slightly soluble in methanol, sparingly soluble in methylene chloride	Conforms
Identification	IR, HPLC	Positive
Melting point	261 ~ 263°C	261.5 ~ 262.5°C
Loss on drying	≤ 1.5%	0.19%
Heavy metals	≤ 10 ppm	Conforms
Residue on ignition	≤ 0.1%	0.08%
Related substances	Telmisartan impurity A	0.05%
	Telmisartan impurity B	ND
	Telmisartan amide	ND
	Telmisartan diacid	0.03%
	Telmisartan tert-butylester	0.02%
	Unknown impurity	ND
	Any other impurity	ND
	Total impurities	0.31%
Residual solvents	Ethanol	ND
	Ethyl acetate	18.5 ppm
	Methanol	21.3 ppm
	N,N-Dimethylformamide	ND
Assay (HPLC) odb	98.0 ~ 102.0%	99.2%
Packaging & storage	Preserve in tight containers, and protect from light. Store at room temperature	
Conclusion	Material complies with USP-NF2023	