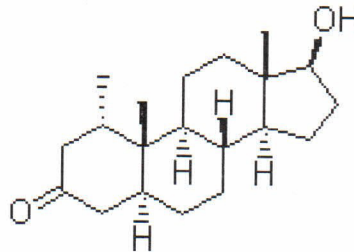




Mesterolone BP2015

Batch no 20241001
Mf date Oct 05 2024
Expiry Oct 04 2027

Molecular Structure



Molecular Formula $C_{20}H_{32}O_2$
Molecular Weight 304.47
CAS Registry Number 1424-00-6

Oct 29 2024

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White or yellowish crystalline powder	White crystalline powder
Solubility	Practically insoluble in water, sparingly soluble in acetone, in ethyl acetate and in methanol	Conforms
Identification	IR	Positive
Melting range	206 ~ 211°C	206.3 ~ 210.1°C
Heavy metals	≤ 20 ppm	< 10 ppm
Loss on drying	≤ 0.5%	0.2%
Specific rotation	+20 ~ +24°	+21.4°
Residue on ignition	≤ 0.1%	0.04%
Related substances (by HPLC)	17β-hydroxy-1α-methylandrosta-4-en-3-one ≤ 0.5% Any other impurity ≤ 0.25% Total impurities ≤ 0.75%	0.08% ND 0.08%
Impurity B (by TLC)	1α-methyl-5α-androstane-3β,17β-diol ≤ 0.5%	Conforms
Assay (odb)	98.0 ~ 102.0%	99.3%

Packaging and storage	Preserve in well-closed, light-resistant containers
Conclusion	Material complies with BP2015