Datasheet α-Boldenone

Reference number : EU/CRL: 53

Date of preparation : 1995.03.22

date : 17 January 2003

source : RIVM

“Bank of Reference Standards”

The Bank of Reference Standards was financially supported by the European Commission
Directorate General “Science, Research and Development DG XII”
Contract MAT 1 - CT92 - 0020
Name : \(17\alpha\)-hydroxy-androsta-1,4-dien-3-one  
Synonym : \(\alpha\)-Boldenone  
Molecular formula : \(\text{C}_{19}\text{H}_{26}\text{O}_{2}\)  
Cas # : not available  
Molecular weight : 286.4  
Indication of purity: > 95 %  

Last update : 1998.01.06

Methods used for characterization

I  Mass spectrometry  
II  UV spectroscopy  
III  IR spectroscopy
I MASS SPECTROMETRY

Instrument: Hewlett Packard 5989 A MS
GC-MS spectrum, DIP = direct inlet probe

II UV SPECTROSCOPY

Instrument: Cary 3 UV-Visible Spectrophotometer.
Concentration α-Boldenone = 0.100 mM; solvent: methanol
$\varepsilon_{245.5\text{ nm}} = 14750$
III  IR-SPECTROSCOPY

Instrument: Bruker IFS-55 FTIR; detector DTGS
Sampling technique: KBr-tablet.

![IR Spectrogram of α-Boldenone](image-url)

Transmittance (%)

Wavenumber (cm⁻¹)