

Datasheet 17 β -Trenbolone-D2

Reference number : EU/CRL: 59

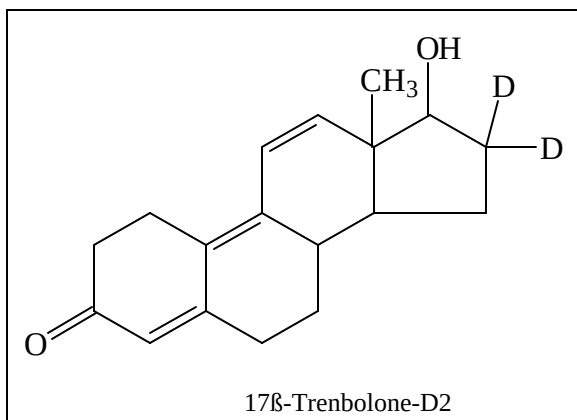
Date of preparation : 1992.01.02

date : 17 January 2003

source : RIVM

“Bank of Reference Standards”

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Molecular structure of 17β-trenbolone-D2

Name	: 17β-hydroxy-estra-4,9,11-trien-3-one-D ₂
Synonym	: 17β-trenbolone-D ₂
Molecular formula	: C ₁₈ H ₂₀ D ₂ O ₂
CAS #	: not available
Molecular weight	: 272.4
Indication of purity	: > 95 %

Last update : 1998.01.06

Note : Ampoule is not stable enough for long term storage at a temperature > 0°C.
Ampoule should be stored at a temperature < -15°C.

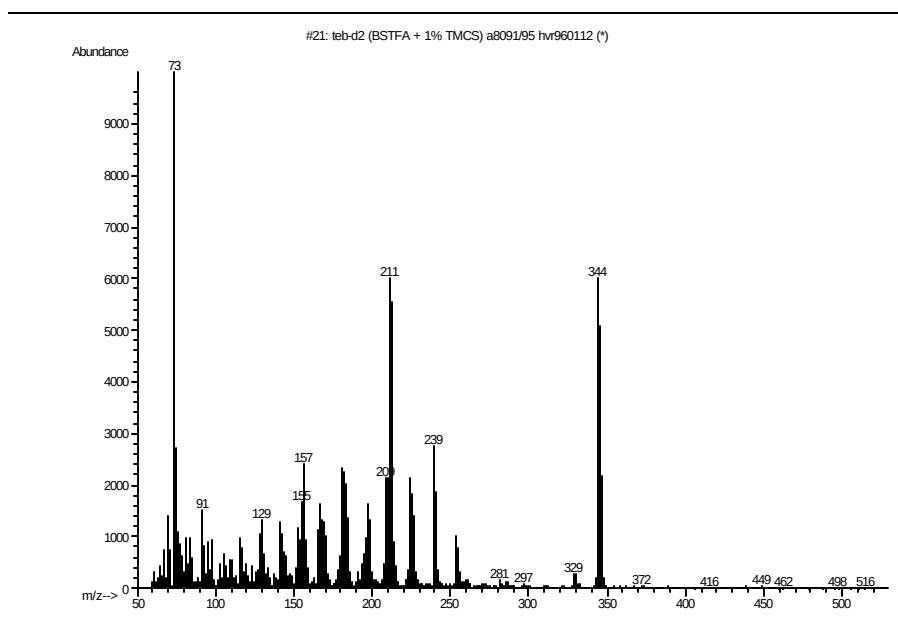
Methods used for characterization:

- I Mass spectrometry**
- II HPLC-UV spectroscopy and UV-scan**
- III Homogeneity and stability obtained with GC-MS**

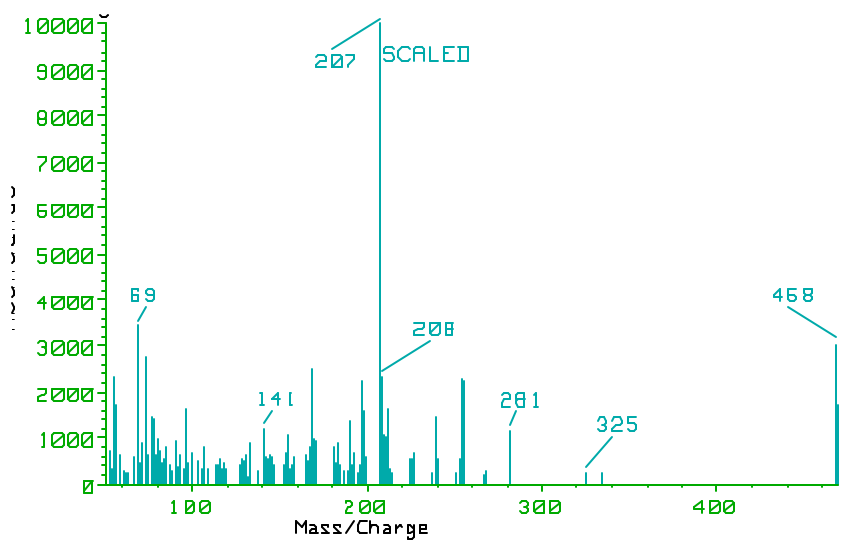
I MASS-SPECTROMETRY

Instrument: Hewlett Packard 5989A MS

MS spectrum, full scan



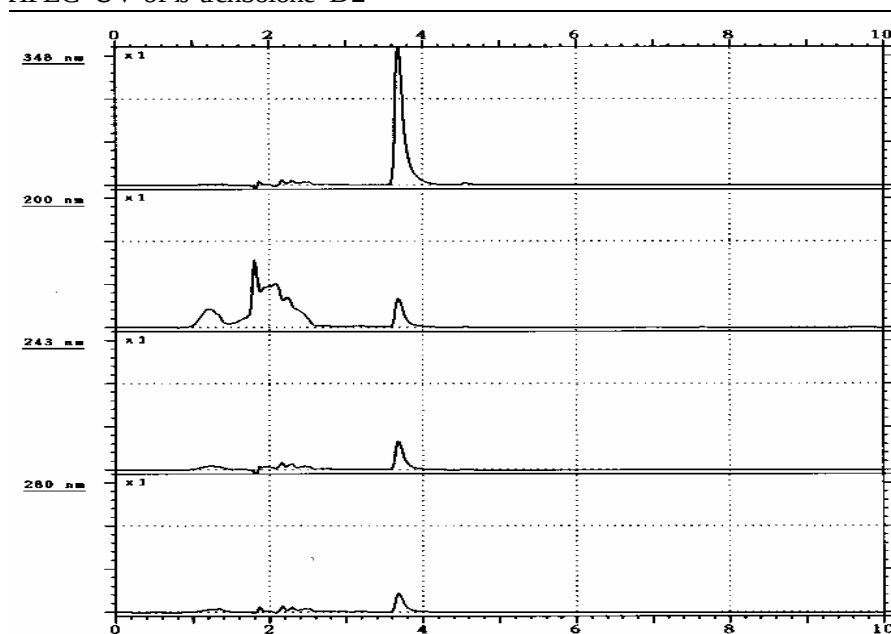
Mass spectrum (EI) of β -trenbolone-D2-mono-TMS (BSTFA + 1% TMCS)



Mass spectrum (EI) of β -trenbolone-D2-mono-HFB (HFBA/Acetone 1:4)

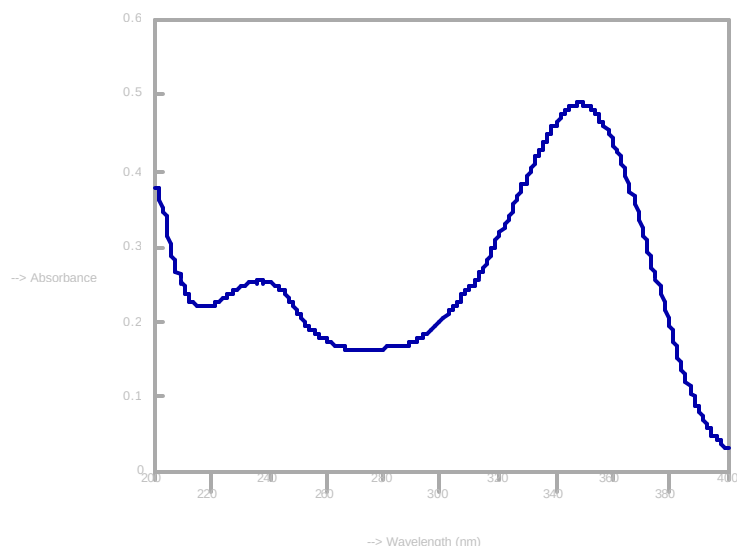
II HPLC-UV SPECTROSCOPY AND UV-SCAN

HPLC-UV of β -trenbolone-D2



UV-scan of β -trenbolone-D2

Instrument: Cary 3 UV-visible Spectrophotometer



III

HOMOGENEITY AND STABILITY

temp.	t = 0 months homogeneity (n = 10) µg (m ± SD)	t = 1.5 months (n = 2) µg (m ± SD)	t = 3.5 months (n = 2) µg (m ± SD)	t = 6 months (n = 2) µg (m ± SD)	t = 12 months (n = 2) µg (m ± SD)	t = 24 months (n = 2) µg (m ± SD)
4°C	(84 +/- 4)	(*) -	(72 +/- 6)	(113 +/- 9)	(68 +/- 1)	(47 +/- 1)
20°C		(*) -	(75 +/- 1)	(98 +/- 1)	(63 +/- 1)	(43 +/- 1)
37°C		(*) -	(65 +/- 1)	(91 +/- 4)	(49 +/- 6)	(34 +/- 1)

(*) no result, due to bad derivatization

