rivm

National Institute
for Public Health and
the Environment

Datasheet Clenproperol-D_7

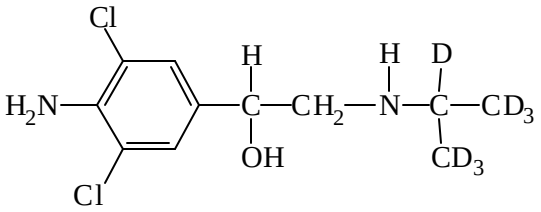
Reference number : EU/CRL: 60

Date of preparation : 1999.04.27

date : 17 January, 2003

source : Rephartox Maarssen

"Bank of Reference Standards"



CLENPROPEROL-D7

Name : 1-(4-amino-3,5-dichloro-phenyl)-2-heptadeutero-isopropylamino-ethanol
Synonym : Clenproperol-D_7
Molecular formula : $C_{11}H_9N_2OCl_2D_7$(.HCl)
Cas # : not available
Molecular weight : 270.21
Indication of purity : > 95%

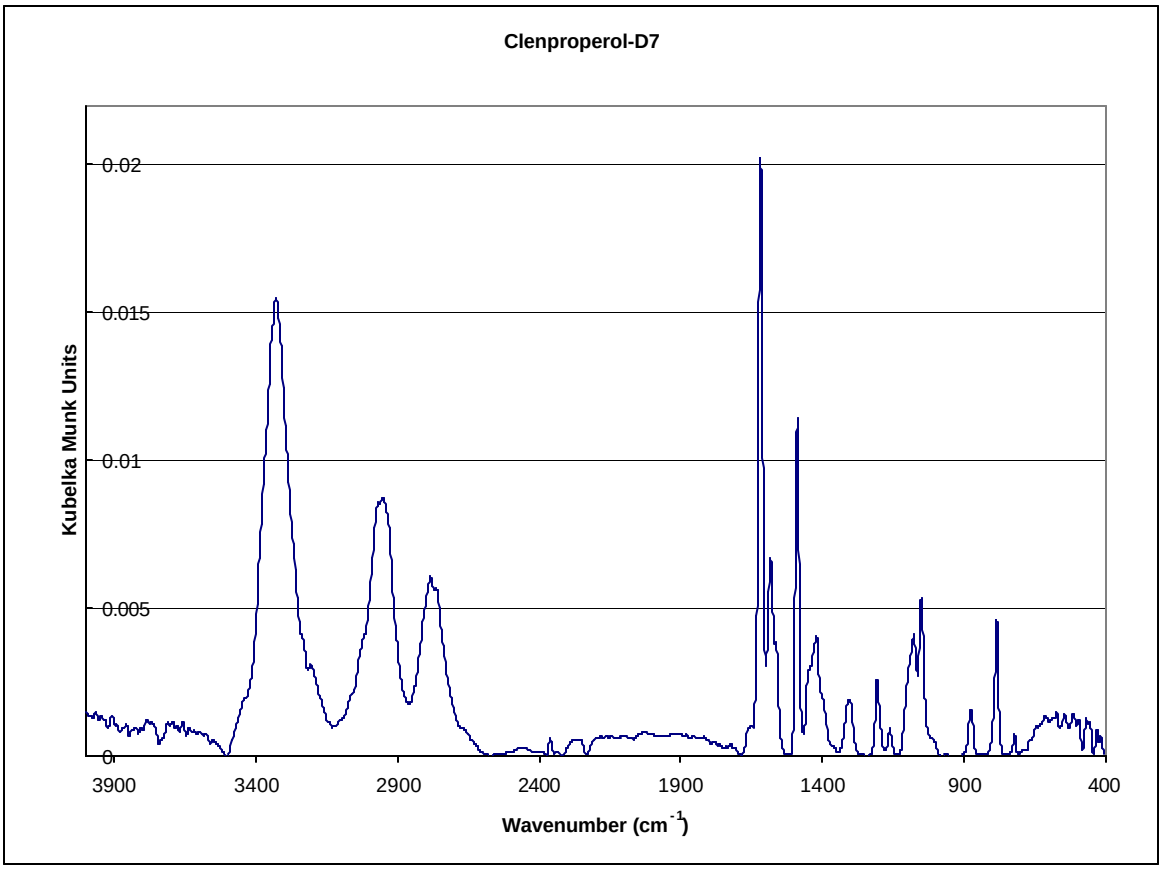
Last update : 2000.07.25

Methods used for characterization

I IR spectroscopy
II UV spectroscopy
III Mass spectrometry
IV ^{1}H-NMR spectrometry
V Homogeneity and stability obtained with GC-MS

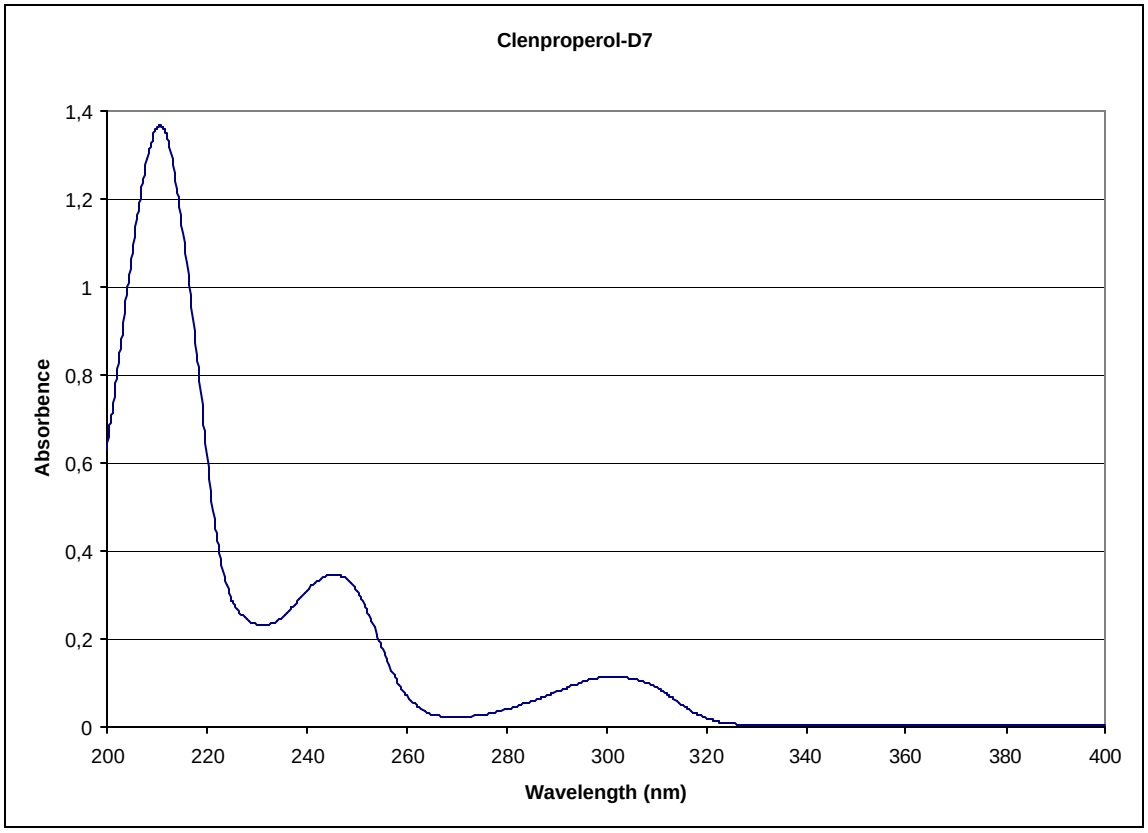
I IR spectroscopy

Instrument: Bruker IFS-55 FTIR; detector DTGS
Sampling technique: DRIFT



II UV spectroscopy

Instrument: Cary 3 UV-Visible Spectrophotometer
Concentration Clenproperol-D_7 10 mg/l dissolved in ethanol

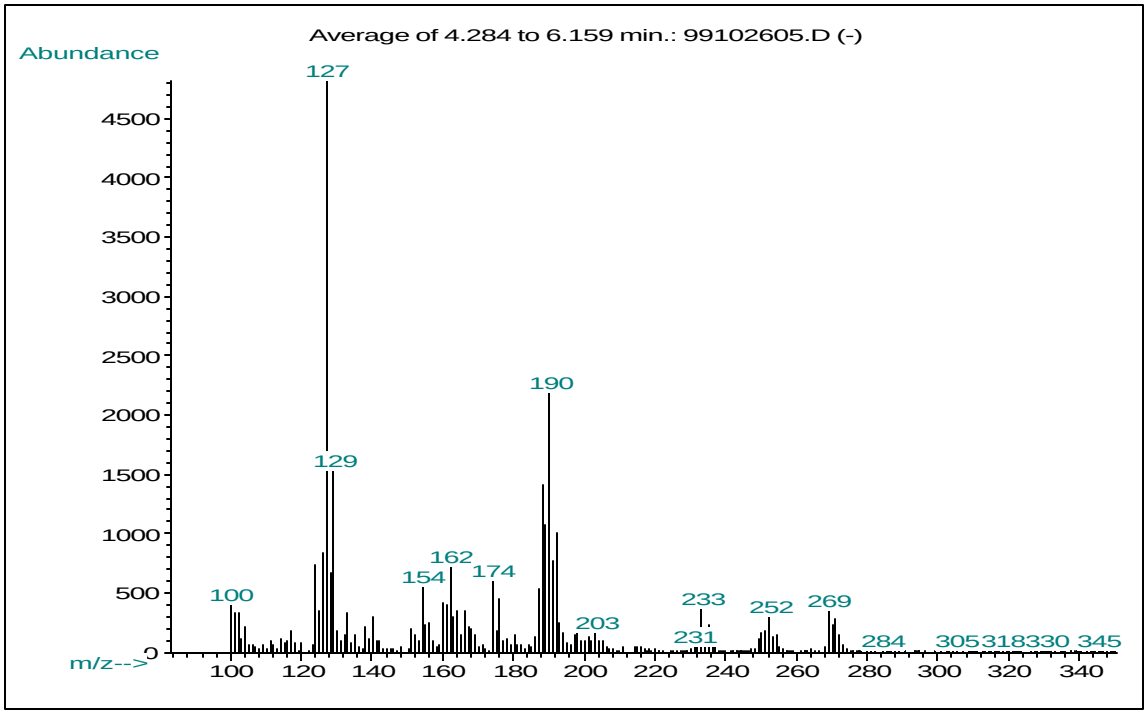


Tabel 1: The UV spectrum of clenproperol-D_7

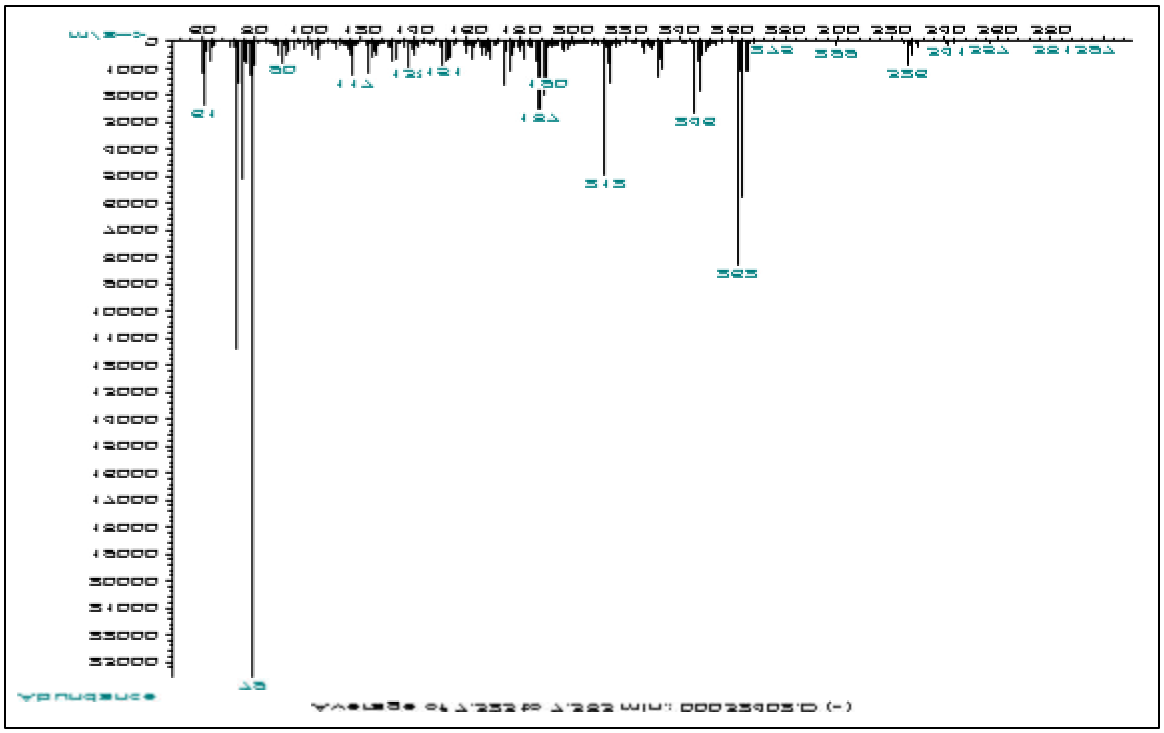
Peak no.	Wavelength (nm)	Absorbance
1	246.0	0.34592
2	300.5	0.11394

III Mass spectrometry

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

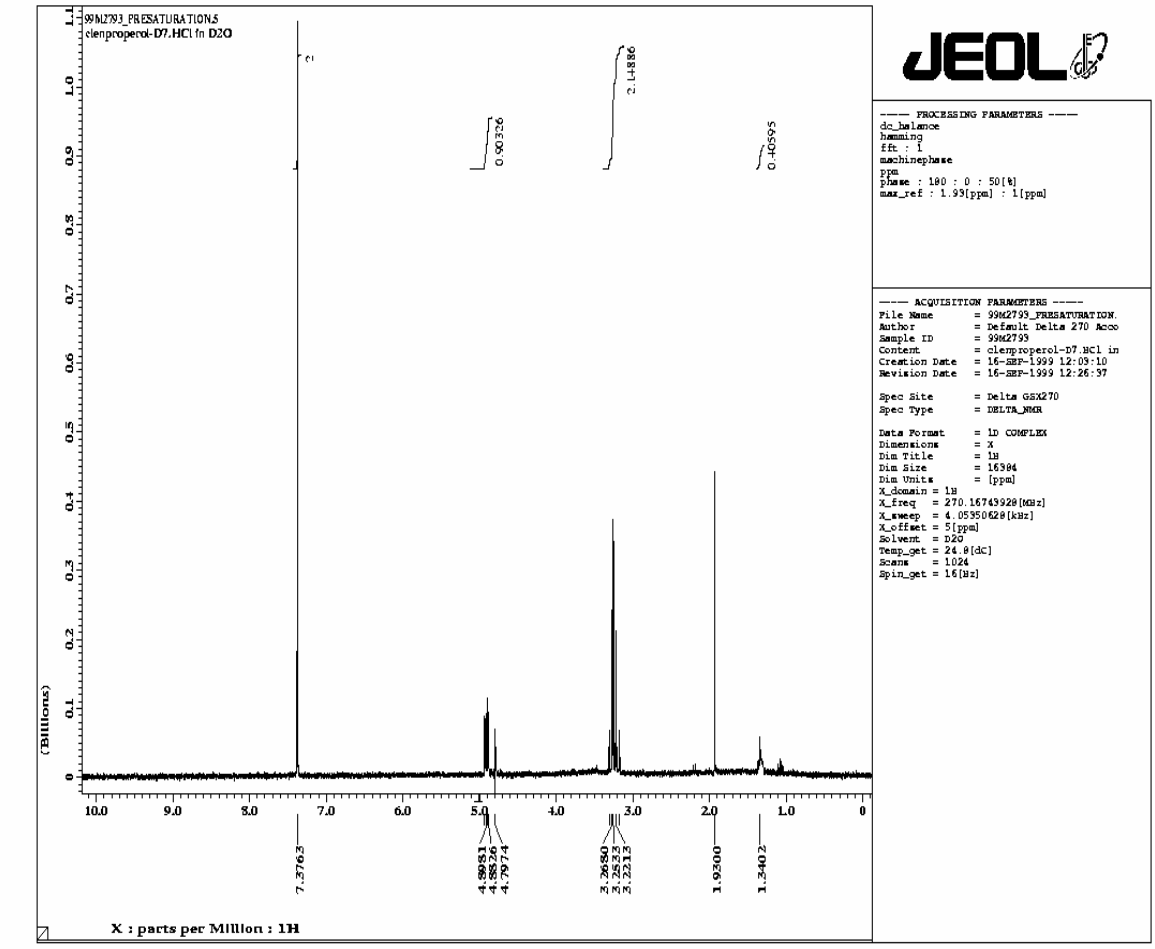


Instrument: Hewlett Packard 6890 Series MSD
GC-MS spectrum, Full Scan (EI)
Mass spectrometry after TMS-derivatisation



IV ^{1}H-NMR spectrometry

Instrument: JEOL Delta GSX270
Solvent: D_2O



V Homogeneity and stability obtained with GC-MS

Temp.	**t = 0 months** **Homogeneity** **(n = 10)** **µg (m ± RSD)/ ampoules**	**t = 1 month** **(n = 2)** **µg (m ± RSD)/ ampoules**
4 ºC	(101 ± 4)	-
23 ºC		(92 ± 6)
37 ºC		(93 ± 7)