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APPENDIX A

CONTENTS

Simulated spectra: **^1H NMR of β -sitosterol**

^1H NMR of campesterol

^1H NMR of stigmasterol

NMR spectra of the red spot compound: **^1H NMR**

^1H NMR expanded

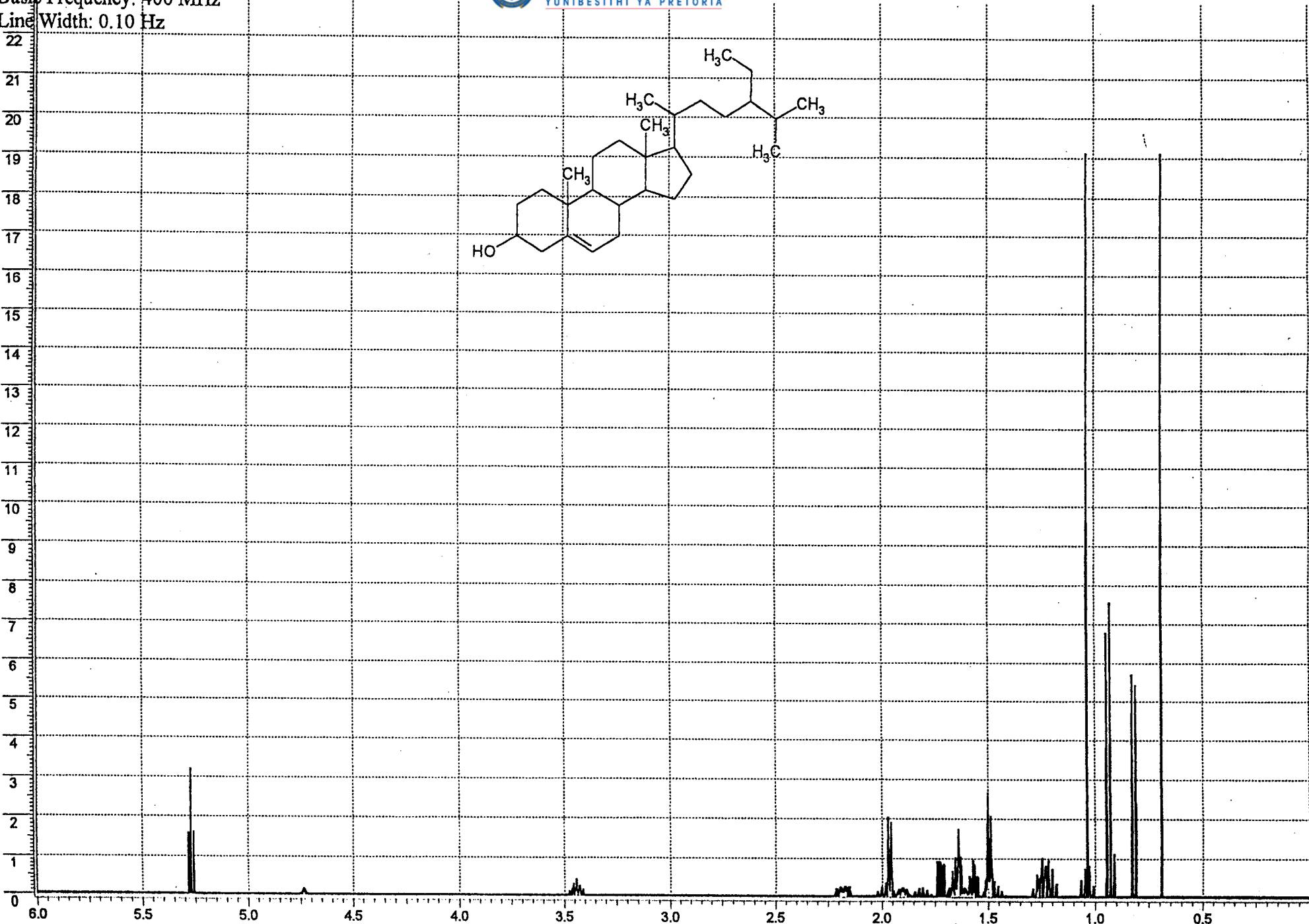
^{13}C NMR

^{13}C NMR expanded

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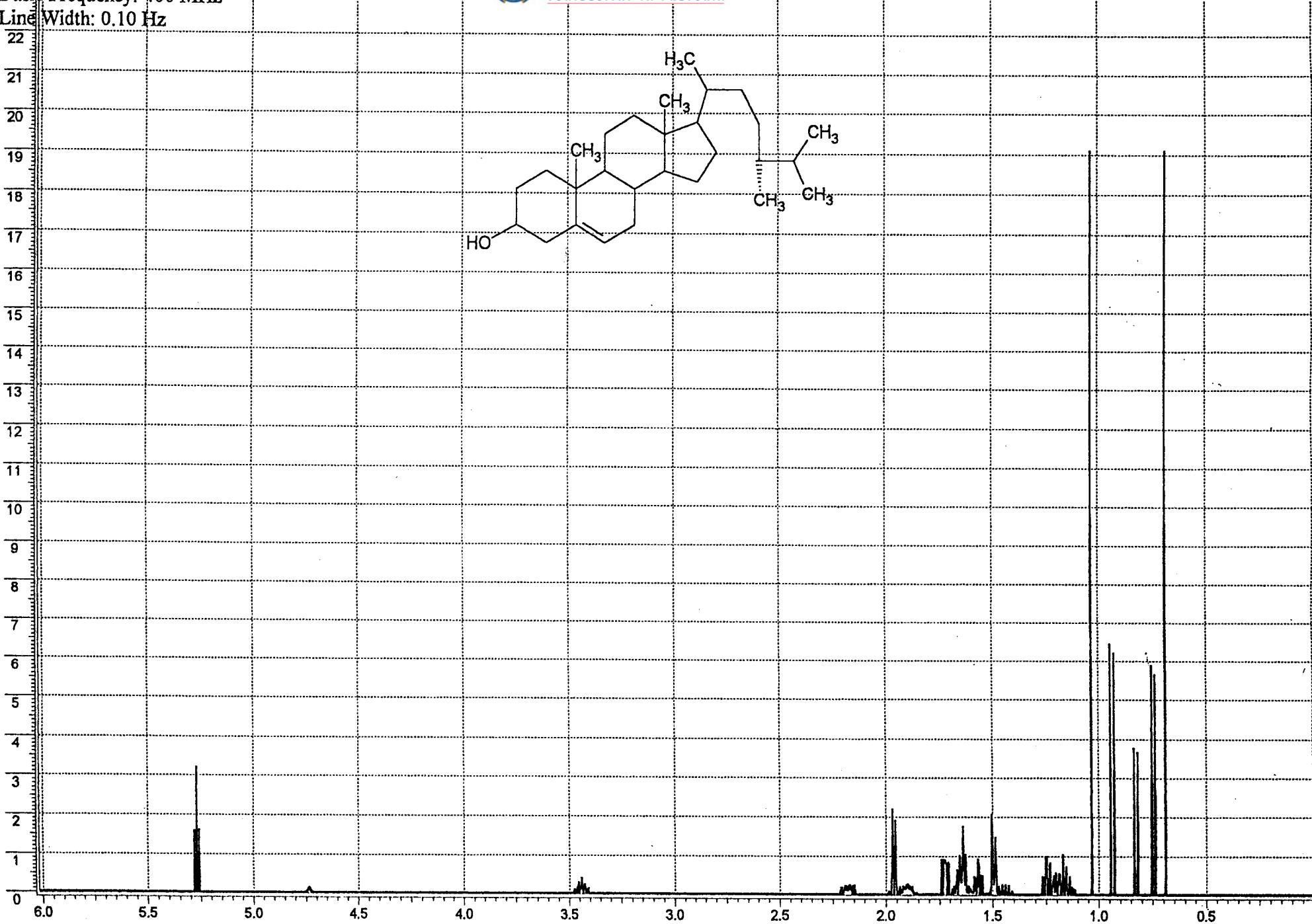
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YUNIBESITHI YA PRETORIA



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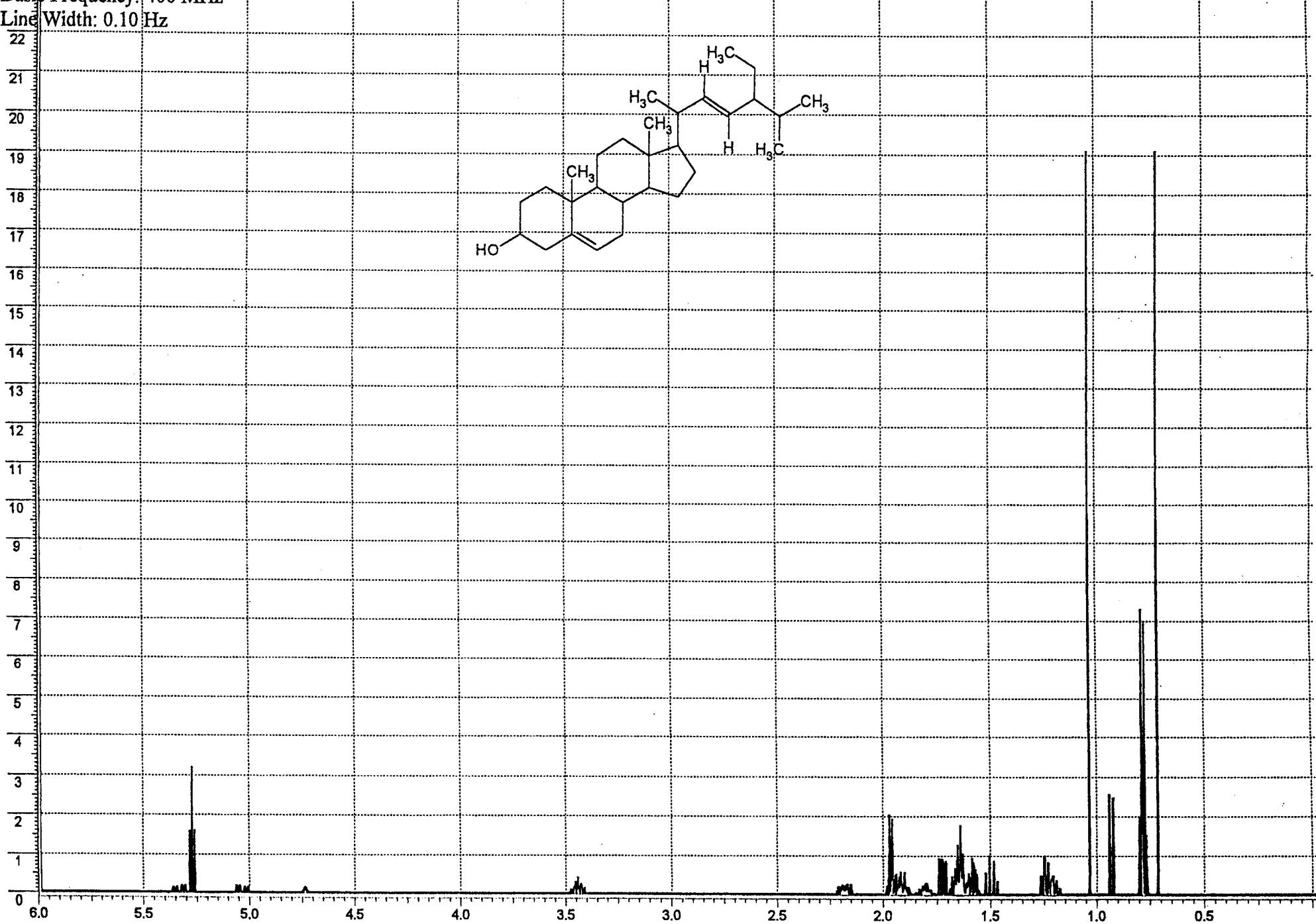
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Basic Frequency: 400 MHz

Line Width: 0.10 Hz





Rooi Kol/Acetone-D6/1H

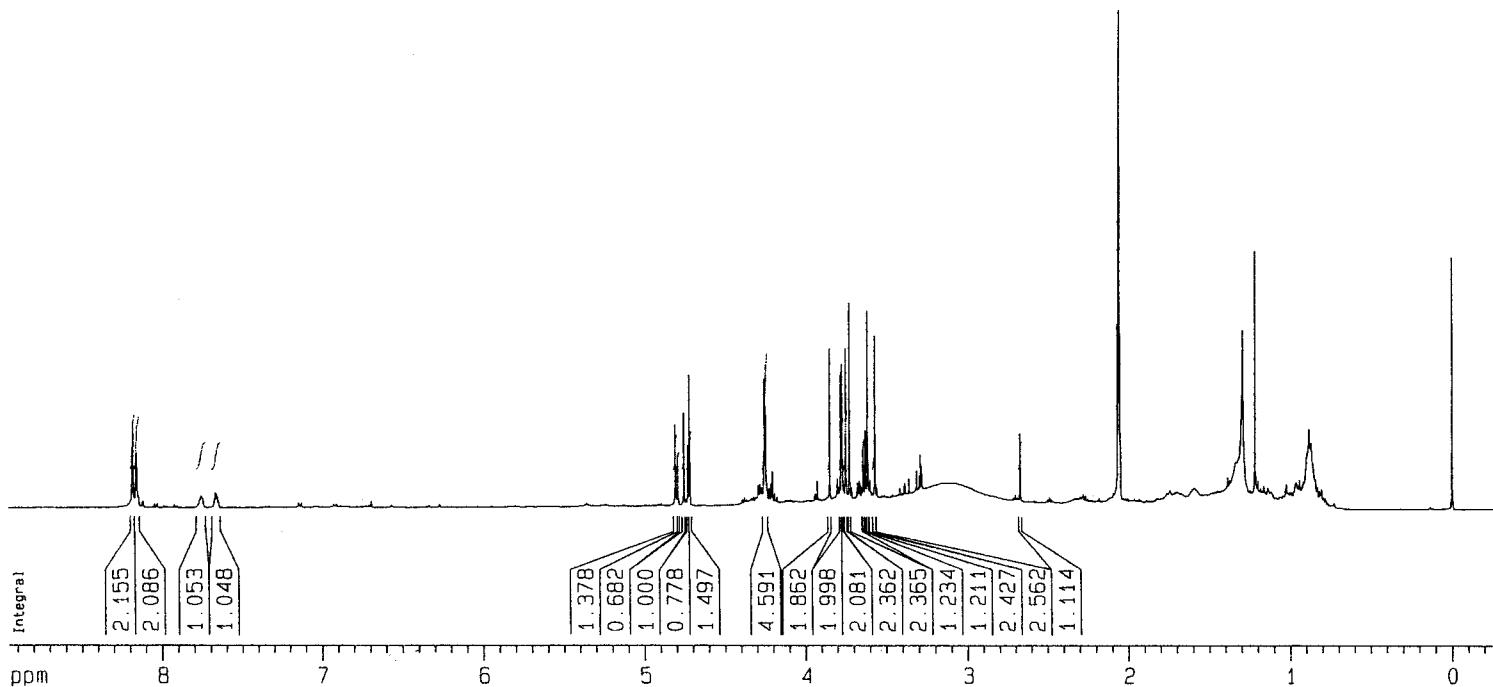
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PROCNO 1

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TD 65536
SOLVENT Acetone
NS 87
DS 2
SWH 10330.578 Hz
FIDRES 0.157632 Hz
AQ 3.1720407 sec
RG 362
DW 48.400 usec
DE 6.00 usec
TE 300.0 K
D1 1.0000000 sec

===== CHANNEL f1 =====
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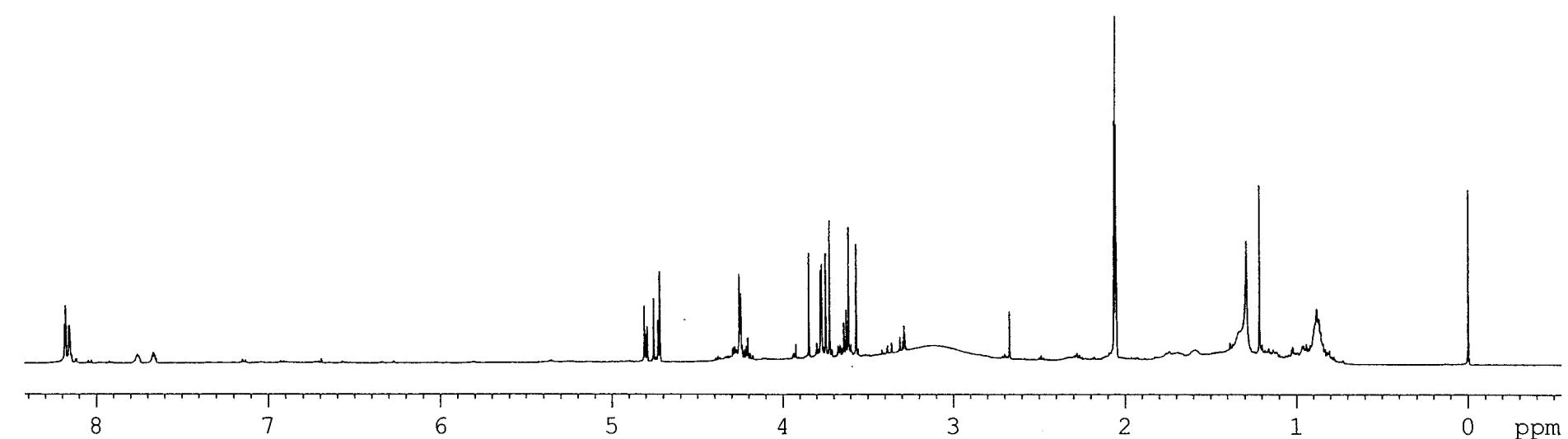
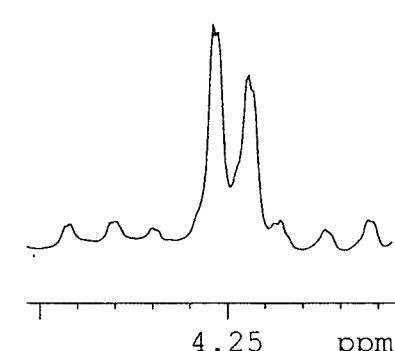
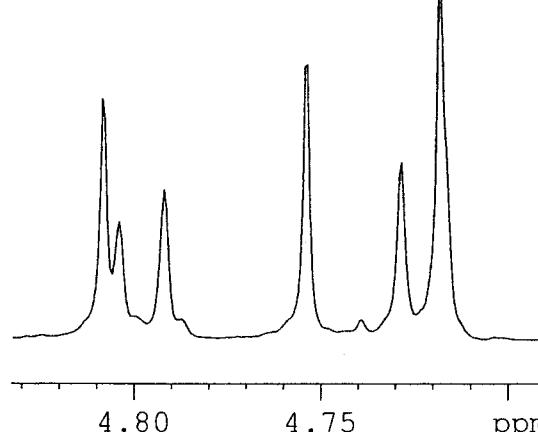
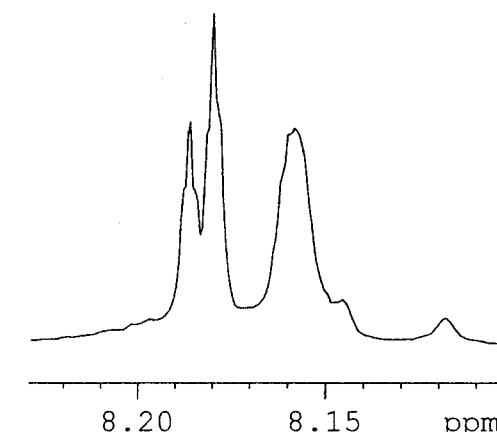
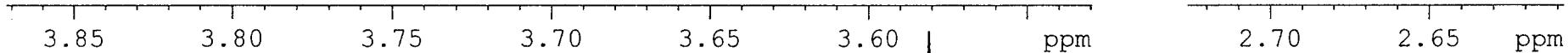
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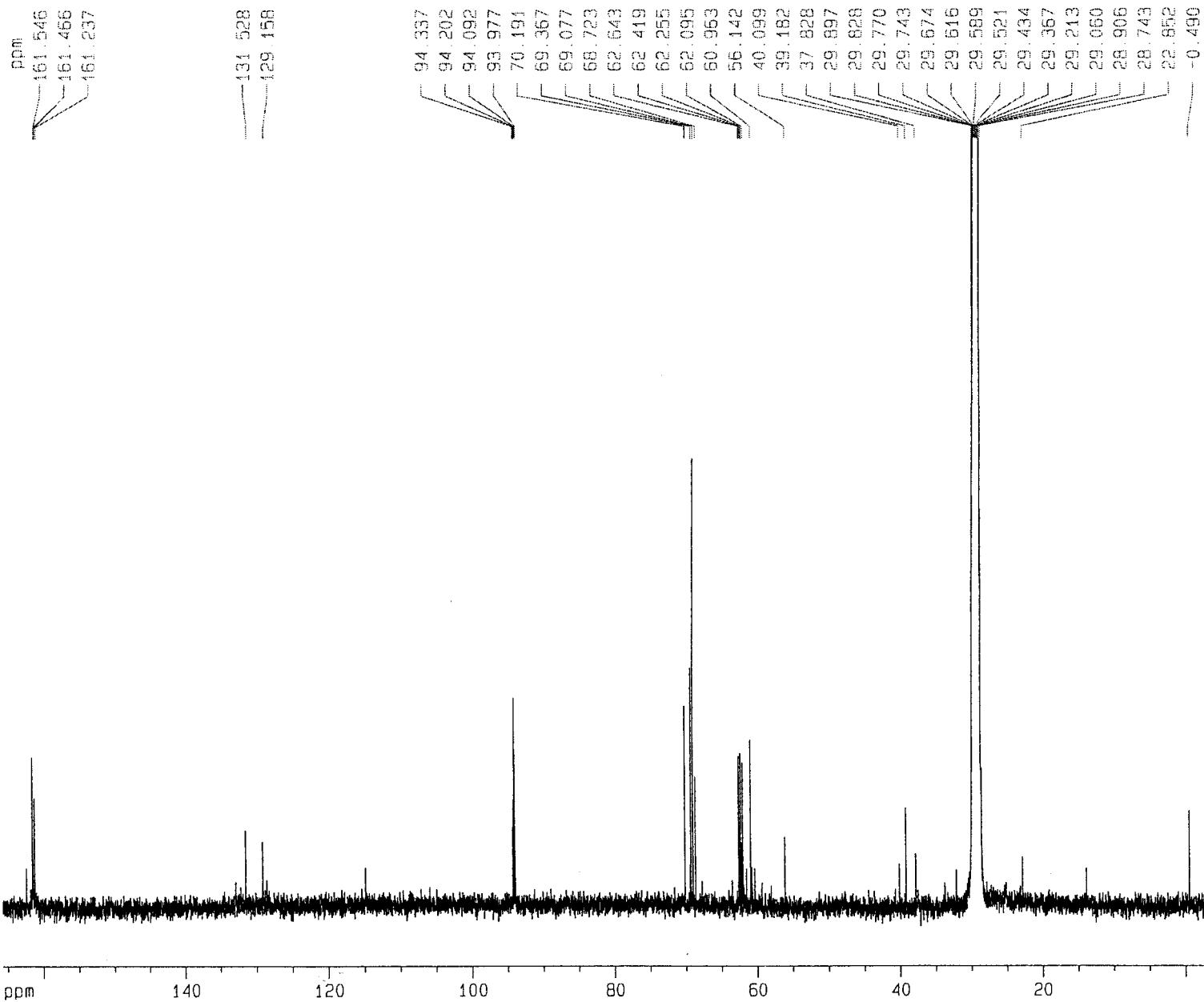


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Rooi Kol/Acetone-D6/13C



Current Data Parameters

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EXPNO 2
PROCNO 1

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FIDRES 0.458222 Hz
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RG 1448.2
DW 16.650 usec
DE 6.00 usec
TE 300.0 K
D1 2.0000000 sec
d11 0.0300000 sec
d12 0.00002000 sec

===== CHANNEL f1 =====

NUC1 13C
P1 10.00 usec
PL1 8.00 dB
SF01 125.7703143 MHz

===== CHANNEL f2 =====

CPDPG2 waltz16
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PCPD2 100.00 usec
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PL12 17.50 dB
PL13 17.50 dB
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F2 - Processing parameters

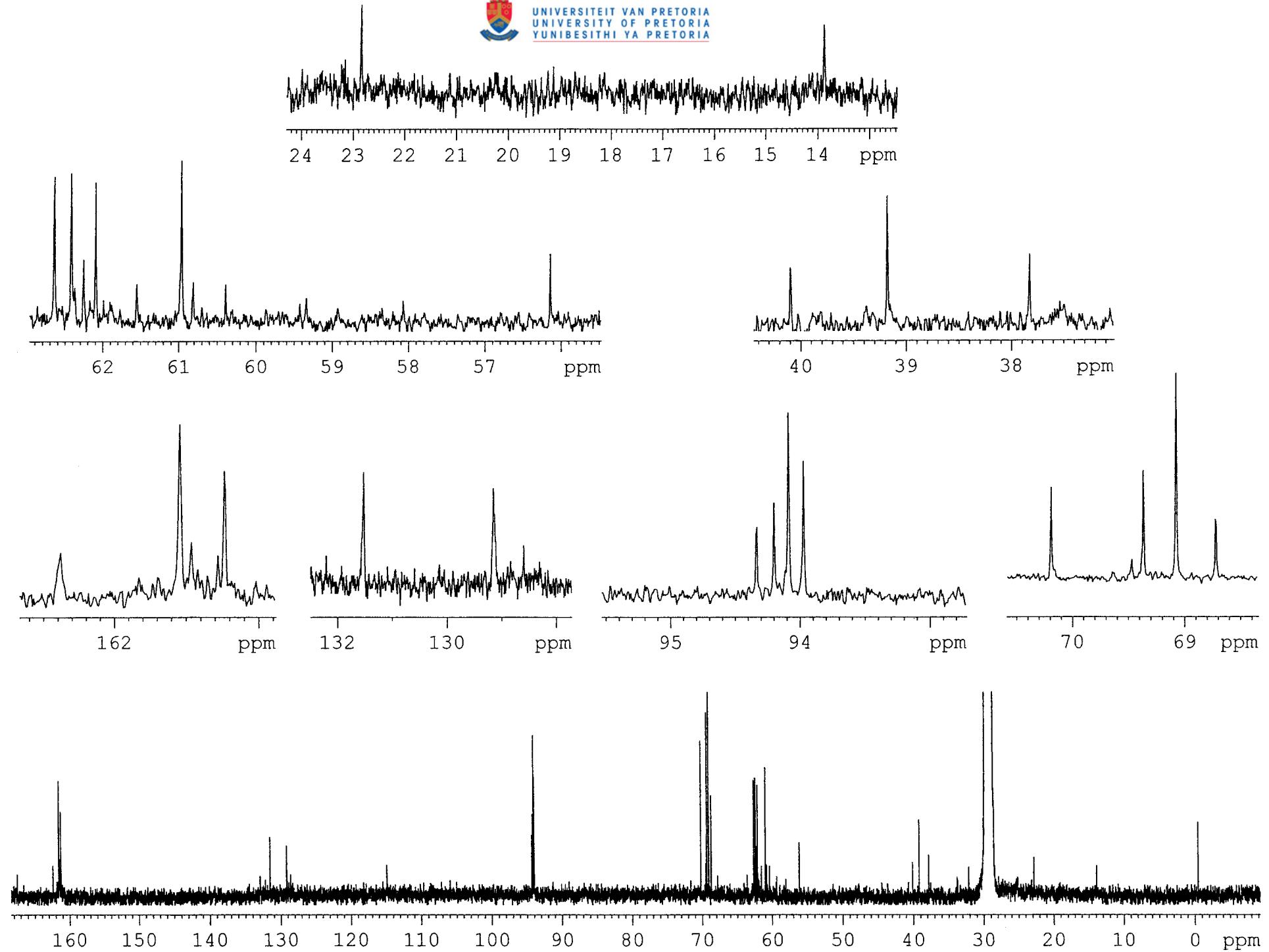
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F2P -2.932 ppm
F2 -368.69 Hz
PPMCM 8.43345 ppm/cm
HZCM 1060.57104 Hz/cm



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APPENDIX B

CONTENTS

Ethics Committee approval of the protocol of the proposed clinical trial (S83/2000)

Ethics Committee approval of amendment to the protocol (Amendment to S83/2000)



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OF
HEALTH

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Ref/Verw: Ethics Committee

Enquiries/Navrae:
Dr R Sommers
Ward 4 Room 19

Date : **20/07/2000**

Number : S83/2000

Title : Protocol of proposed clinical trial, including pilot study, to determine the absorption of sterols and steroplins in human volunteers.

Investigator : A C Retief; Department of Pharmacology;
Prof J R Snyman; Dept Pharmacology
Pretoria Academic Hospital; Pretoria.

This Protocol and Informed Consent has been considered by the Ethics Committee, Faculty of Medicine, Univ.of Pretoria and Pretoria Academic Hospitals on 19/07/2000 and found to be acceptable.

Dr J.E.Davel	(female) MBChB:Hospital Superintendent
Prof A.P.du Toit	BA;DiplTheo; BA (Hons);MA;DPhil:Philosopher
Prof C.I. Falkson	(female)MBChB;M.Med(Int);MD;Med. Oncologist
Prof G. Falkson	CHAIRPERSON; MBChB;M.Med(Int);MD;OSG: Medical Oncologist
Mrs C Gerber	(female)BA(FineArts);Architectural Draughting (Boston House College Pta)
Prof S.V. Grey	(female)BSc(Hons);MSc; DSc :Deputy Dean
Mrs R Jooste	(female) Dip. Pharm; M Pharm; Pharmacist.
Dr V.O.L. Karusseit	MBChB;MFGP(SA);M.Med(Chir); FCS (SA): Surgeon
Dr S.Khan	(female)MB.BCh.; Med.Adviser (Gauteng Dept.of Health).
Ms B.C.F. Magardie	(female) BCur:Matron/Senior Nursing-Sister
Miss B Mullins	(female) BscHons;Teachers Diploma;
Dr P.Z Njongwe	(female)MBChB ;D.P.H;DTMtH; DOH ;F.F.C.H(CM) S.A.Chief Med.Super of Pretoria Academic Hospital.
Snr Sr J. Phatoli	(female) BCur(Et.Al)Senior Nursing-Sister
Prof H.W. Pretorius	MBChB;M.Med (Psych) MD: Psychiatrist
Prof P. Rheeder	MBChB;MMed(Int);LKI(SA);MSc (KLIN.EPI): Specialist Physician
Prof M.M.S.Smuts	(female) BVSc; DVSc
Prof De K.Sommers	BChB; HDD; MBChB; MD: Pharmacologist
Dr R Sommers	SECRETARIAT (female)MBChB; M.med (Int);MPhar.Med;
Prof FFW van Oosten	BA; LLB ; LLD ;LLD ;Head of Department of Public Law and Prof in Criminal Law and Medical Law Student Ethics Sub-Committee
Mrs E Ahrens	(female)B.Cur;
Prof S.V. Grey	(female)BSc(Hons);MSc ;DSc :Deputy Dean
Prof P. Rheeder	MBChB;MMed(Int);LKI(SA);MSc (KLIN.EPI): Specialist Physician
Dr R Sommers	SECRETARIAT (female)MBChB; M.med (Int); MPharMed;
Br C van der Westhuizen	(female) D.Cur; M.Ed.

PROF G FALKSON;

MBChB;M.Med(Int);MD;OSG: Medical Oncologist
CHAIRPERSON of the Ethics Committee at Pretoria Academic Hospital;

Pretoria Academic Hospital Private Bag X169 Pretoria 0001 • Pretoria Akademiese Hospitaal Privaatsak X169 Pretoria 0001

PROF P RHEEDER;

BChB;MMed(Int);LKI(SA);MSc (KLIN.EPI): Specialist Physician
CHAIRPERSON of the Student Ethics Committee at P.A. H



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Ethics Committee

Enquiries/Navrae:

Dr R Sommers
Ward 4 Room 19

Date : 1/03/2001

Number : Amendment to S83/2000

Title : Protocol of proposed clinical trial, including pilot study, to determine the absorption of sterols and steroplins in human volunteers.

Investigator : A C Retief; Department of Pharmacology;
Prof J R Snyman; Dept Pharmacology
Pretoria Academic Hospital; Pretoria.

This Addendum has been considered by the Ethics Committee, Faculty of Medicine, Univ.of Pretoria and Pretoria Academic Hospitals on 28/02/2001 and found to be acceptable.

Dr J.E.Davel	(female) MBChB:Hospital Superintendent
Prof A.P.du Toit	BA:DiplTheo; BA (Hons);MA;DPhil:Philosopher
Prof S.V. Grey	(female)BSc(Hons);MSc; DSc :Deputy Dean
Mrs R Jooste	(female) Dip. Pharm; M Pharm; Pharmacist.
Dr V.O.L. Karusseit	MBChB;MFGP(SA);M.Med(Chir); FCS (SA): Surgeon
Dr S.Khan	(female)MB.BCh.; Med.Adviser (Gauteng Dept.of Health).
Miss B Mullins	(female) BsChHons;Teachers Diploma;
Snr Sr J. Phatoli	(female) BCur(Et.Al)Senior Nursing-Sister
Prof H.W. Pretorius	MBChB;M.Med (Psych) MD: Psychiatrist
Prof P. Rheeder	MBChB;MMed(Int);LKI(SA);MSc (KLIN.EPI): Specialist Physician
Dr C F Slabber	MB BCh, FCP (SA) Acting Head; Dept Medical Oncology
Prof De K.Sommers	BChB; HDD; MBChB; MD: Pharmacologist
Dr R Sommers	SECRETARIAT (female)MBChB; M.med (Int);MPhar.Med;

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Prof S.V. Grey	(female)BSc(Hons);MSc ;DSc :Deputy Dean
Prof P. Rheeder	MBChB;MMed(Int);LKI(SA);MSc (KLIN.EPI): Specialist Physician
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