

Supporting Information

Rec. Nat. Prod. 12:5 (2018) 512-517

Noropacursane: A New Nortriterpenoid from the Methanolic Extract of *Carissa opaca*

Shehla Parveen^{1,2}, Naheed Riaz¹, Muhammad Saleem¹, Muhammad Ashraf¹, Tasneem Khatoon², Farrukh Nisar³ and Abdul Jabbar*¹

¹*Department of Chemistry, Baghdad-ul-Jadeed Campus, The Islamia University of Bahawalpur, Bahawalpur 63100, Pakistan*

²*Department of Chemistry, Govt. Sadiq College Women University Bahawalpur, Bahawalpur 63100, Pakistan*

³*Department of Botany, University of Gujrat, Gujrat, Pakistan*

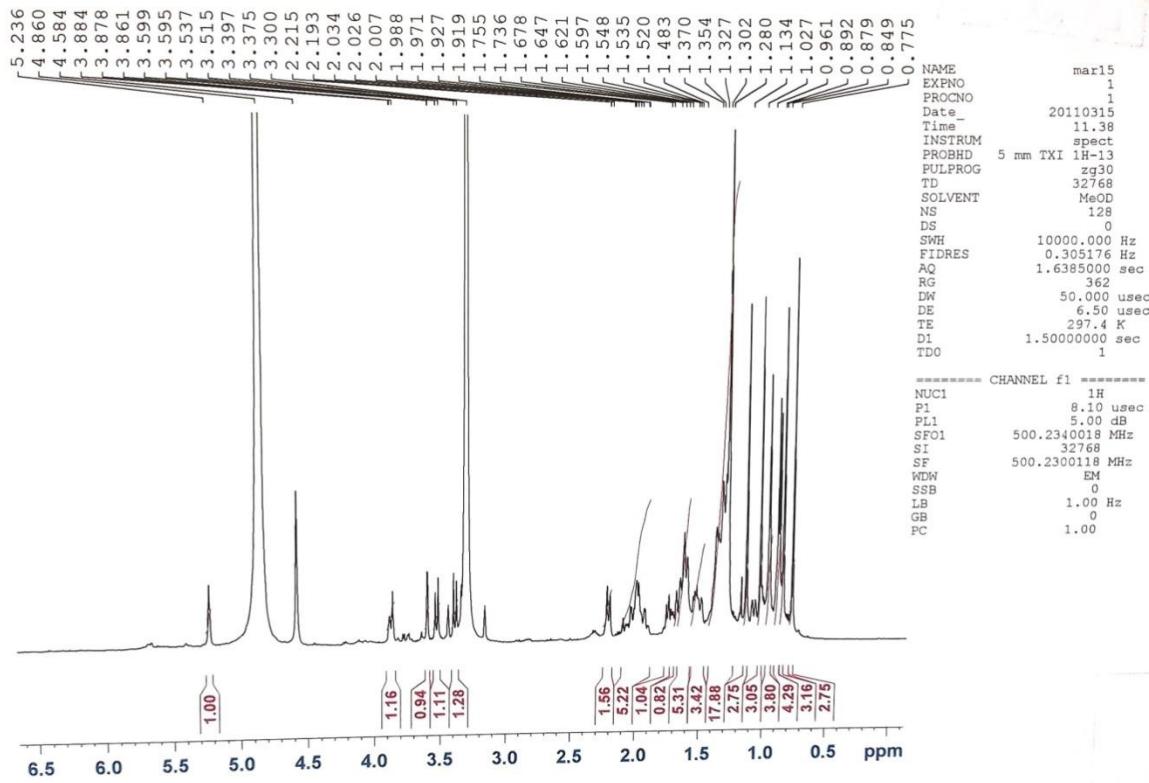
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File Name: C.O.S-15 Date Run: 16-03-2011 Time Run: 12:24:15
 Sample: Shehla Parveen/Dr. Abdul Jabbar, The Islamia University of Bahawalpur
 Instrument: JEOL JMS600 Run By: Lab 102
 Inlet: Direct Probe Ionization mode: HRMS⁺ Printed by: Lab 102

Mass	Relative Intensity	Theoretical Delta		Delta	RDB	Composition
		Mass	[ppm]			
444.36027	5.3452	444.36006	3.6	1.5	4.1	C ₂₉ H ₄₈ O ₃
410.35448	23.4320	410.35462	5.5	2.1	6.0	C ₂₉ H ₄₆ O
393.35199	15.5783	393.35190	4.2	3.6	4.5	C ₂₉ H ₄₅
240.17249	77.9634	240.17238	22.3	8.9	8.7	C ₁₄ H ₂₄ O ₃
204.18779	55.4832	204.18768	17.1	7.8	6.4	C ₁₅ H ₂₄
190.17223	12.4562	190.17204	3.5	1.2	2.4	C ₁₄ H ₂₂
176.15657	23.2852	176.15640	5.4	2.0	5.8	C ₁₅ H ₂₀
161.13283	13.8768	161.13294	1.5	1.3	2.0	C ₁₂ H ₁₇
119.08619	11.1206	119.08602	1.4	1.1	1.9	C ₉ H ₁₁
105.07056	100.0000	105.07038	29.4	11.3	9.5	C ₈ H ₉

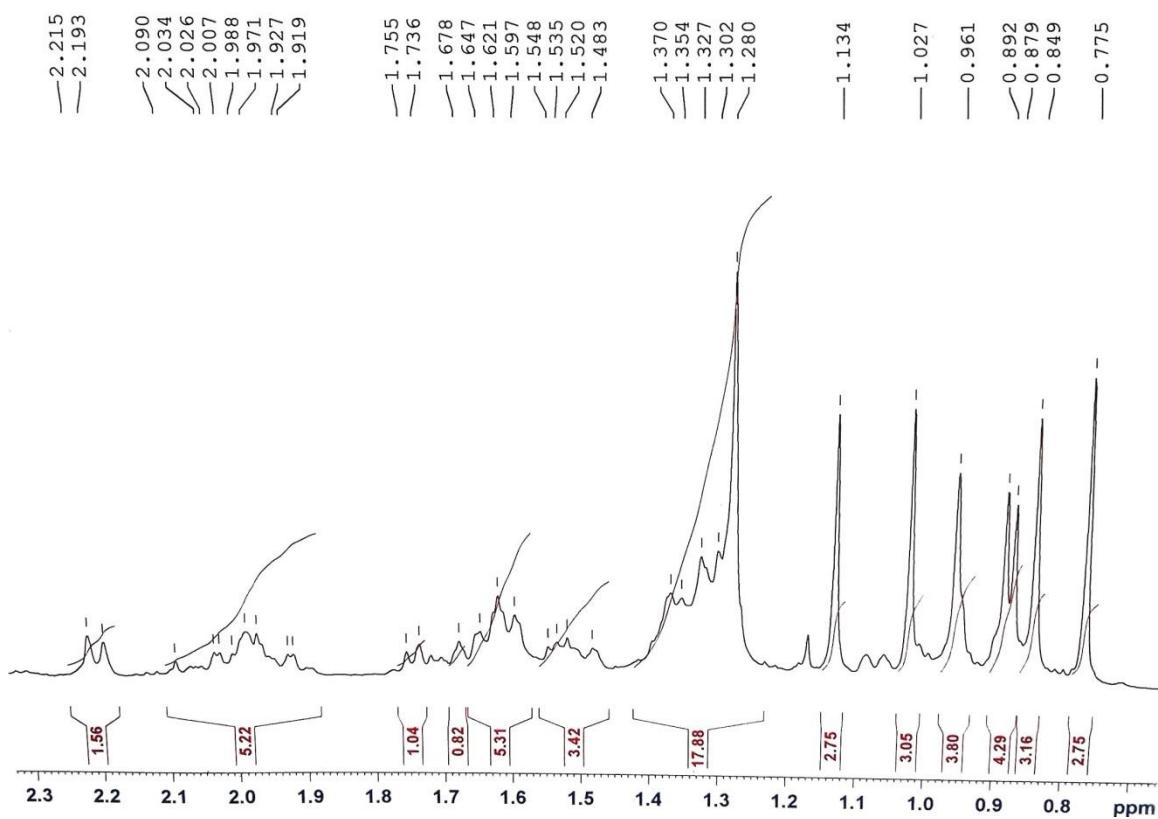
S1: HR-EI-MS Spectrum of Compound 1 (30-Noropacursane)

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I.U.BWP/



S2: ^1H -NMR (500 MHz, CD_3OD) Spectrum of Compound **1** (30-Noropacursane)

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I.U.BWP/



S3: Expansion of the ¹H-NMR Spectrum of Compound 1 (30-Noropacursane)

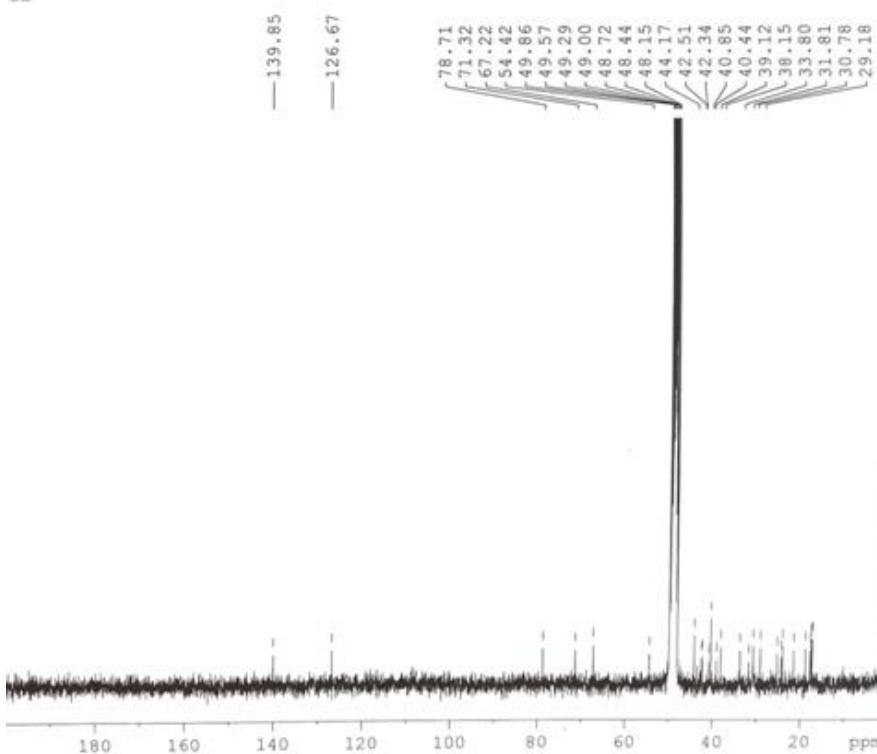
SHEHLA/DR.A.JABBAR/C.O.S.-15
CHEM. DEPT./I.U.BHAWALPUR
BB



NAME apf04
EXPNO 1
PROCNO 1
Date 20110405
Time 0.22
INSTRUM spect
PROBHD 5 mm BBO BB-1H
PULPROG zgpg9
TD 3768
SOLVENT MeOD
NS 25600
DS 2
SWH 18028.846 Hz
FIDRES 0.550197 Hz
AQ 0.9088159 sec
RG 18
DW 27.733 usec
DE 6.50 usec
TE 300.0 K
D1 1.5000000 sec
D11 0.03000000 sec
TDO 25

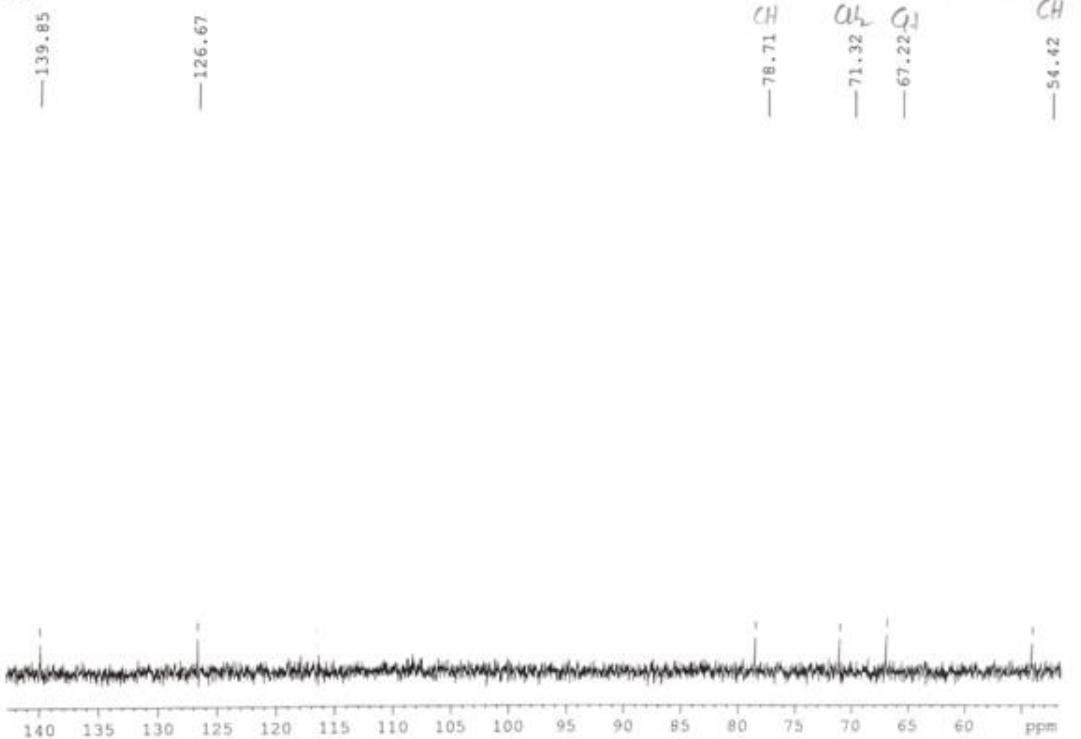
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NUC1 13C
P1 11.00 usec
PL1 0.00 dB
PL1W 28.88669395 MHz
SF01 75.4764278 MHz

***** CHANNEL f2 *****
CPDPFG3 waltz16
NUC2 1H
PCPD2 60.00 usec
PL2 120.00 dB
PL12 17.00 dB
PL13 17.00 dB
PL2W 0.0000000 W
PL12W 0.26262212 W
PL13W 0.26262212 W
SF02 300.1315007 MHz
SI 16384
SF 75.4678412 MHz
MW 0
SSB 0
LB 1.00 Hz
GB 0
PC 1.20



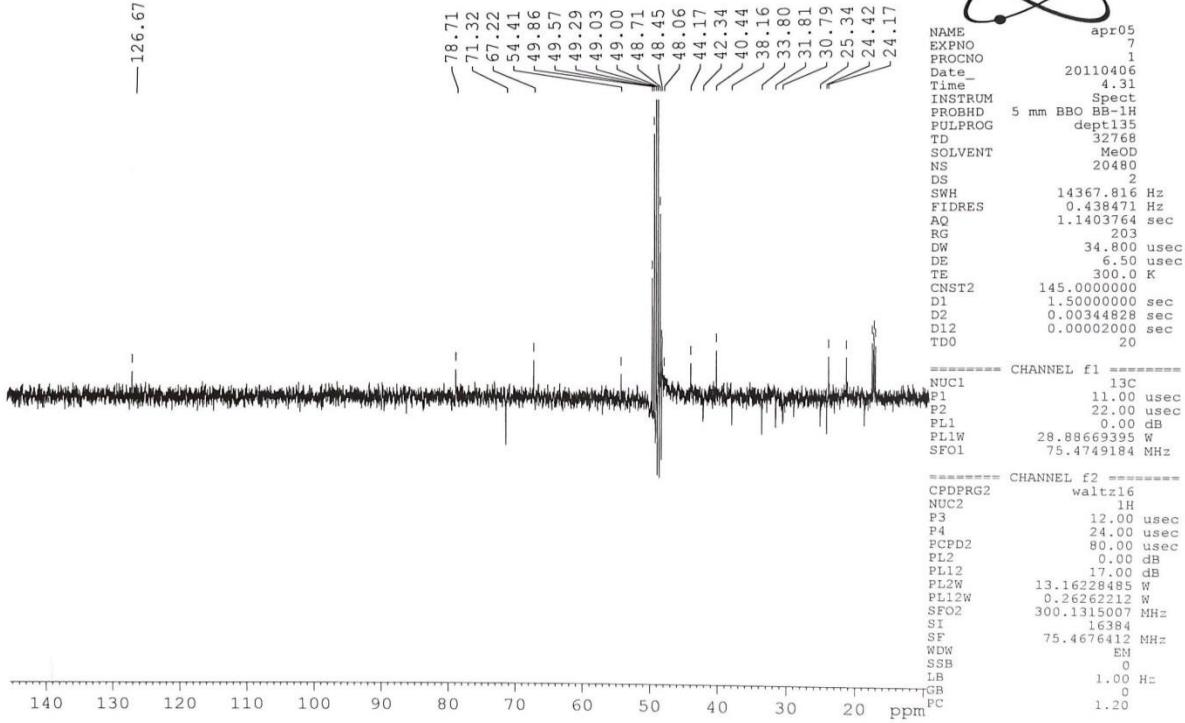
S4: ¹³C-NMR, BB (125 MHz, CD₃OD) Spectrum of Compound 1 (30-Noropacursane)

SHEHLA/DR.A.JABBAR/C.O.S.-15
CHEM. DEPT./I.U.BHAWALPUR
BB



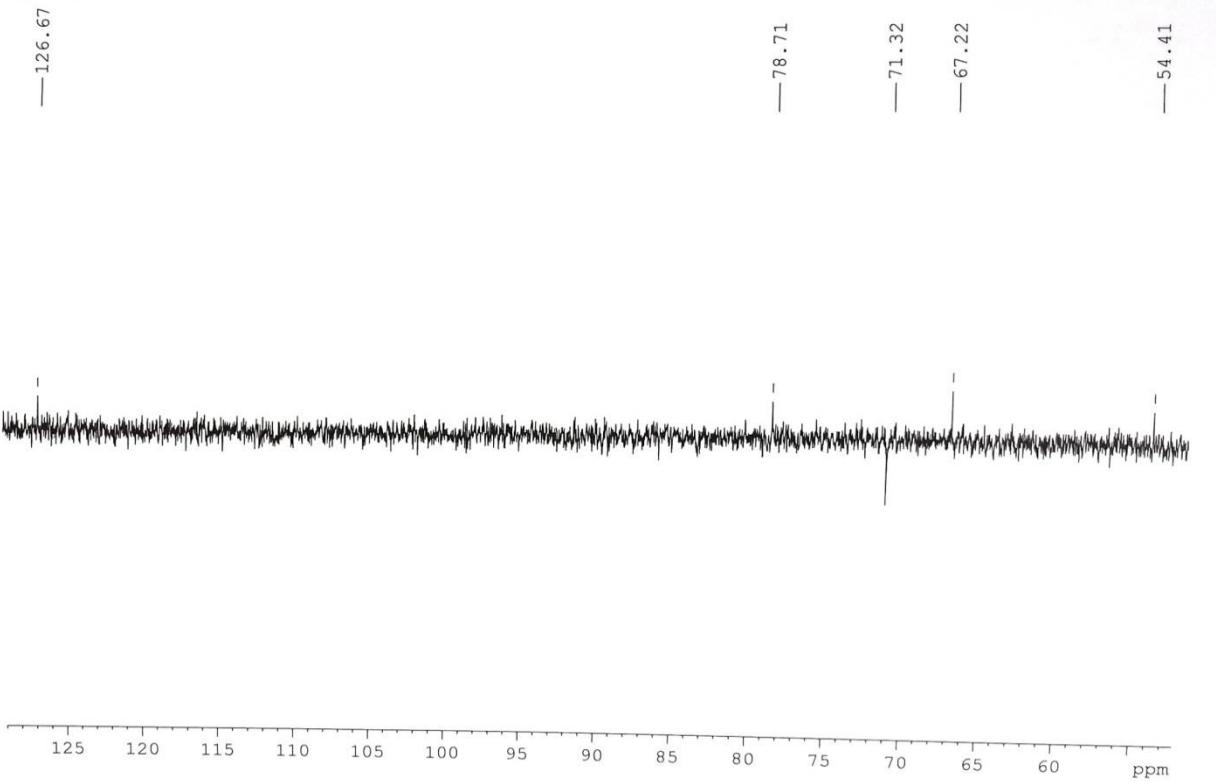
S5: Expansion of the ^{13}C -NMR, BB Spectrum of Compound 1 (30-Noropacursane)

SHEHLA/DR.A.JABBAR/C.O.S-15
I.U.BHAWALPUR
DEPT 135



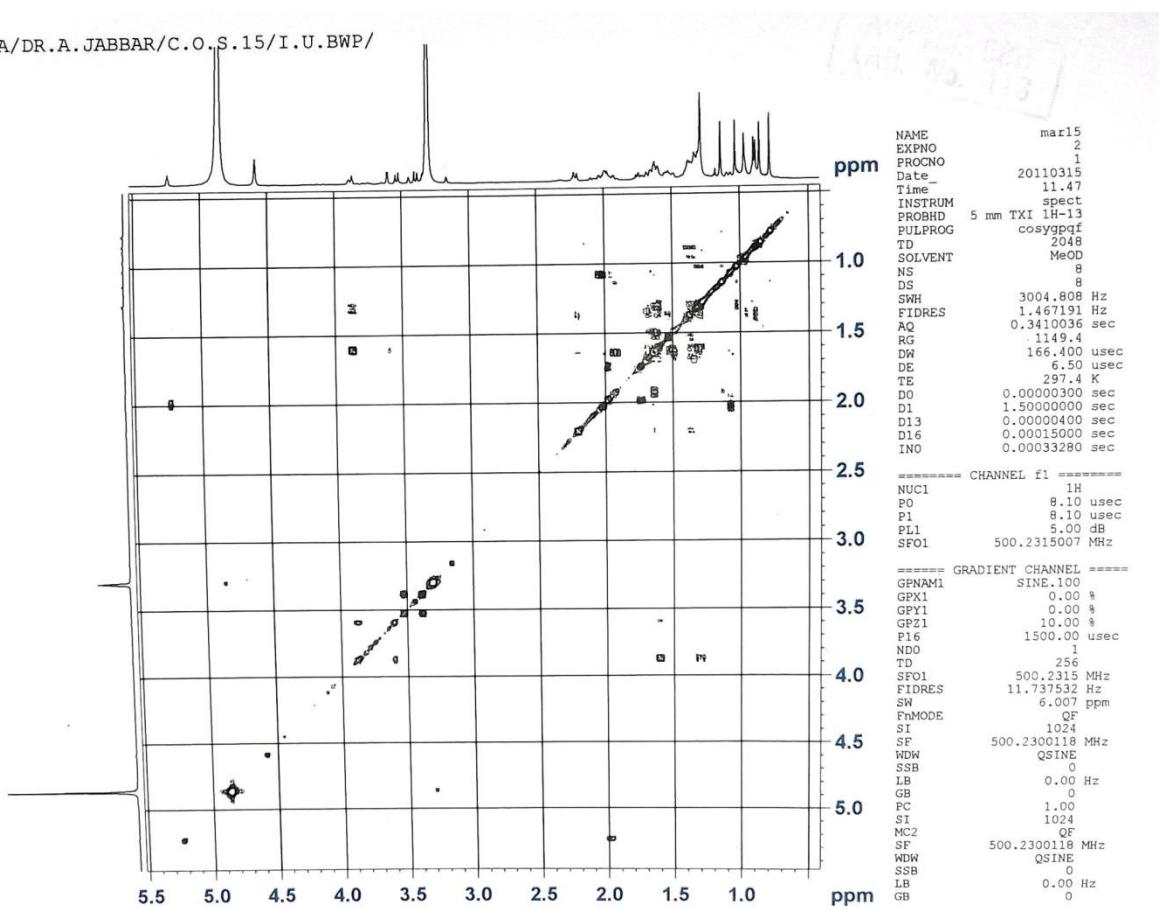
S6: DEPT 135 Spectrum Compound 1 (30-Noropacursane)

SHEHLA/DR.A.JABBAR/C.O.S-15
I.U.BHAWALPUR
DEPT 135



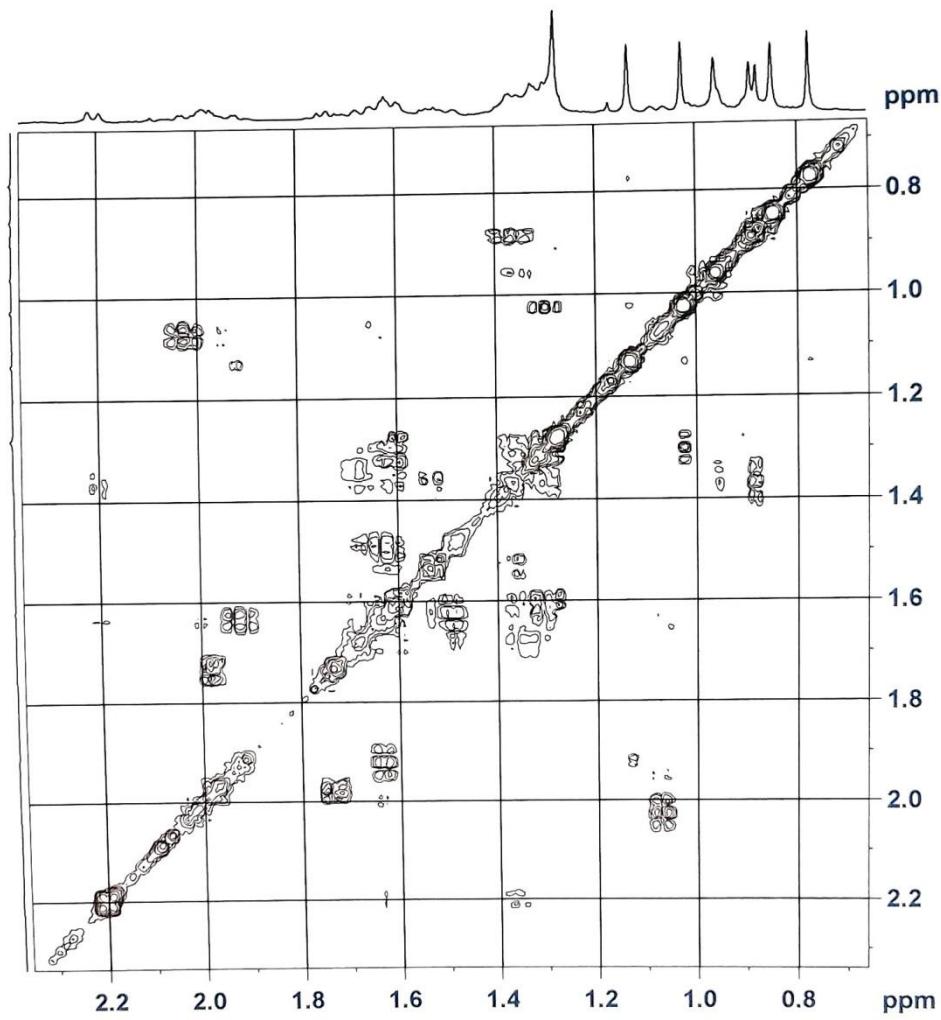
S7: Expansion of DEPT 135 of Compound **1** (30-Noropacursane)

SHEHLA/DR.A.JABBAR/C.O.S.15/I.U.BWP/
COSY.



S8: COSY (500 MHz) Spectrum of Compound **1** (30-Noropacursane)

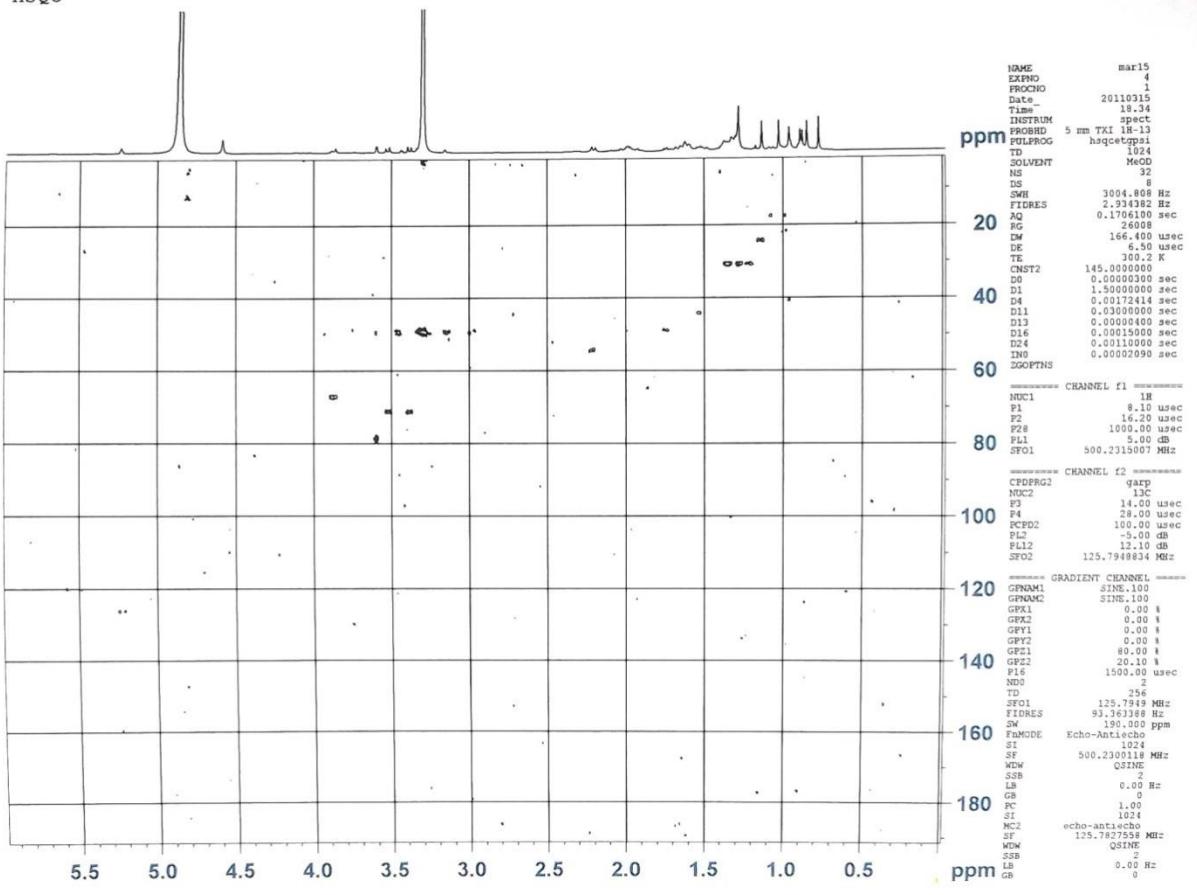
SHEHLA/DR.A.JABBAR/C.O.S.15/I.U.BWP/
COSY.



S9: Expansion of the COSY Spectrum of Compound 1 (30-Noropacursane)

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HSQC

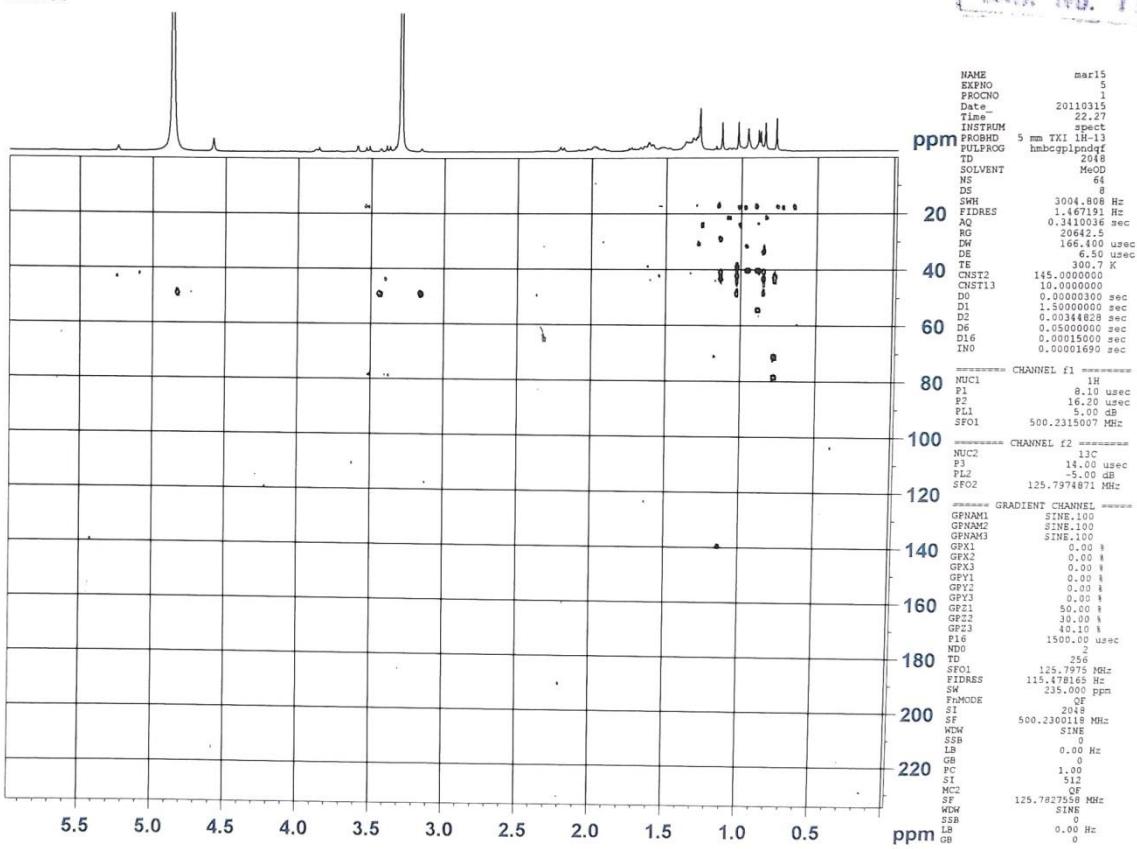
LAB. NO. 113



S10: HSQC (500 MHz) Spectrum of Compound 1 (30-Noropacursane)

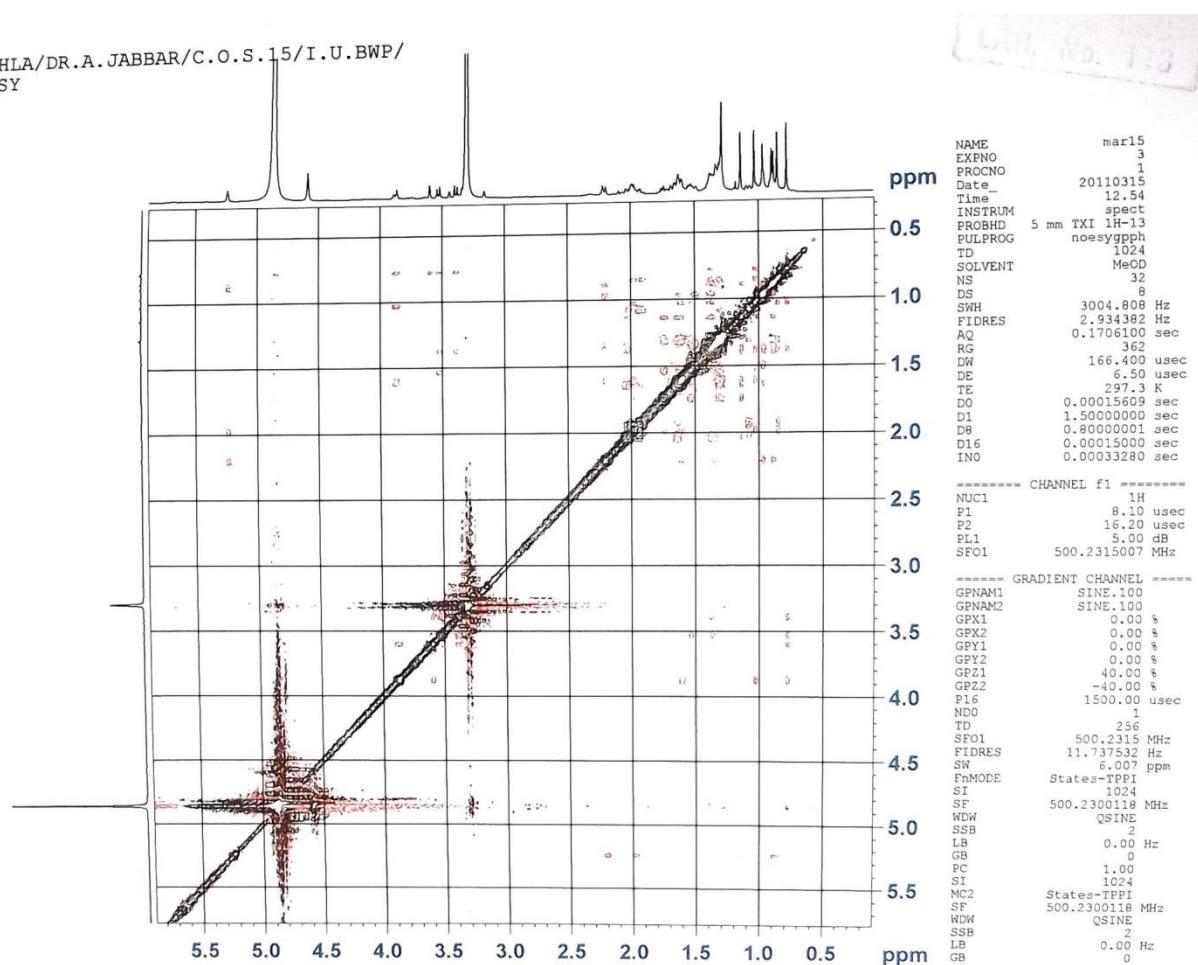
SHEHLA/DR.A.JABBAR/C.O.S.15/I.U.BWP/
HMBC.

LAVALANCE 500
LAB. No. 11



S11: HMBC (500 MHz) Spectrum of Compound **1** (30-Noropacursane)

SHEHLA/DR.A.JABBAR/C.O.S.15/I.U.BWP/
NOESY



S12: NOESY (500 MHz) Spectrum of Compound **1** (30-Noropacursane)