

2-(3', 4'-dimethoxybenzylidene) tetralone induces anti-breast cancer activity through microtubule stabilization and activation of reactive oxygen species

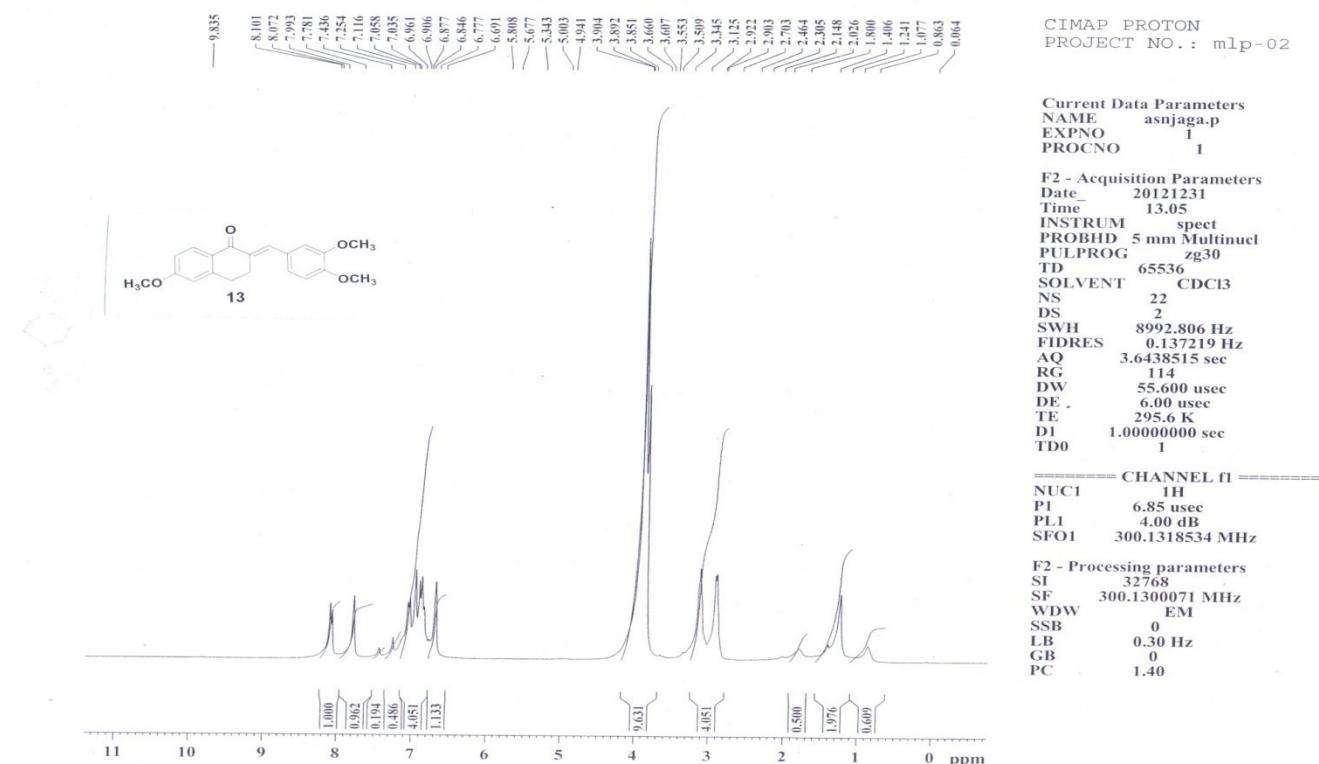
Yashveer Gautam,^{a†} Sonam Dwivedi,^{b†} Ankita Srivastava,^a Hamidullah,^b Arjun Singh,^a D. Chanda,^a Jyotsna Singh,^b Smita Rai,^b Rituraj Konwar,^{b*} and Arvind S. Negi^{a*}

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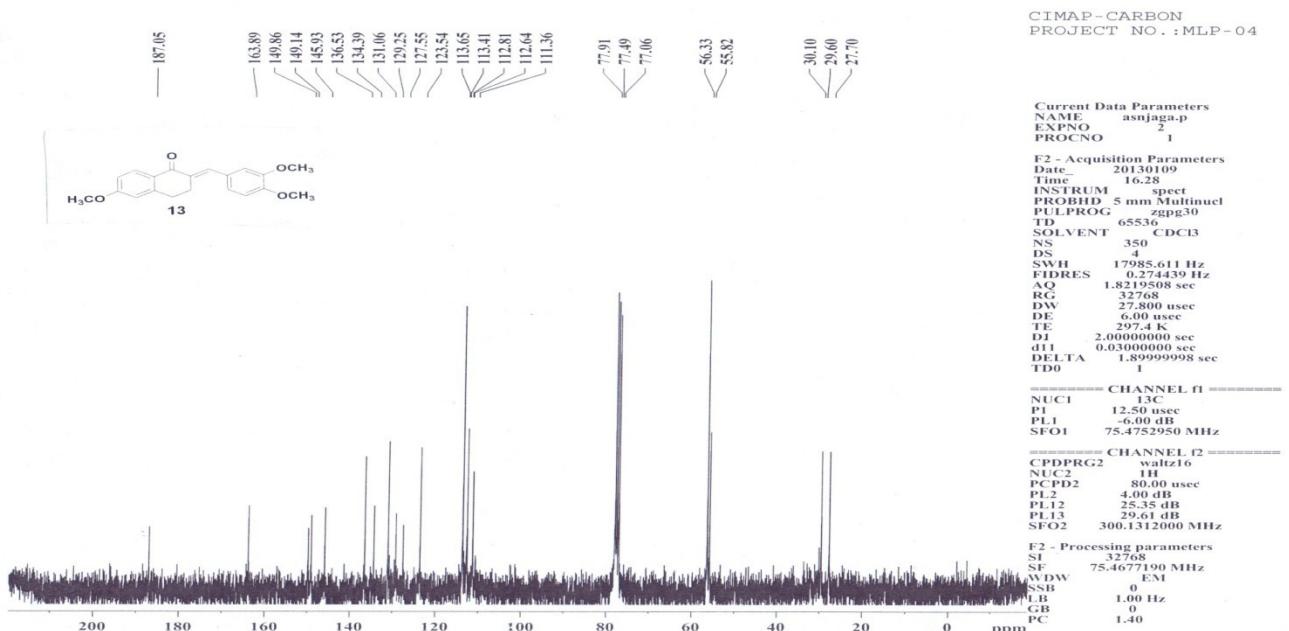
^b*CSIR-Central Drug Research Institute (CSIR-CDRI), B.S. 10/I, Sector 10, Jankipuram Extension, Sitapur Road, Lucknow-226031, India.*

Spectral data of compounds **13**, **15**, and **19**

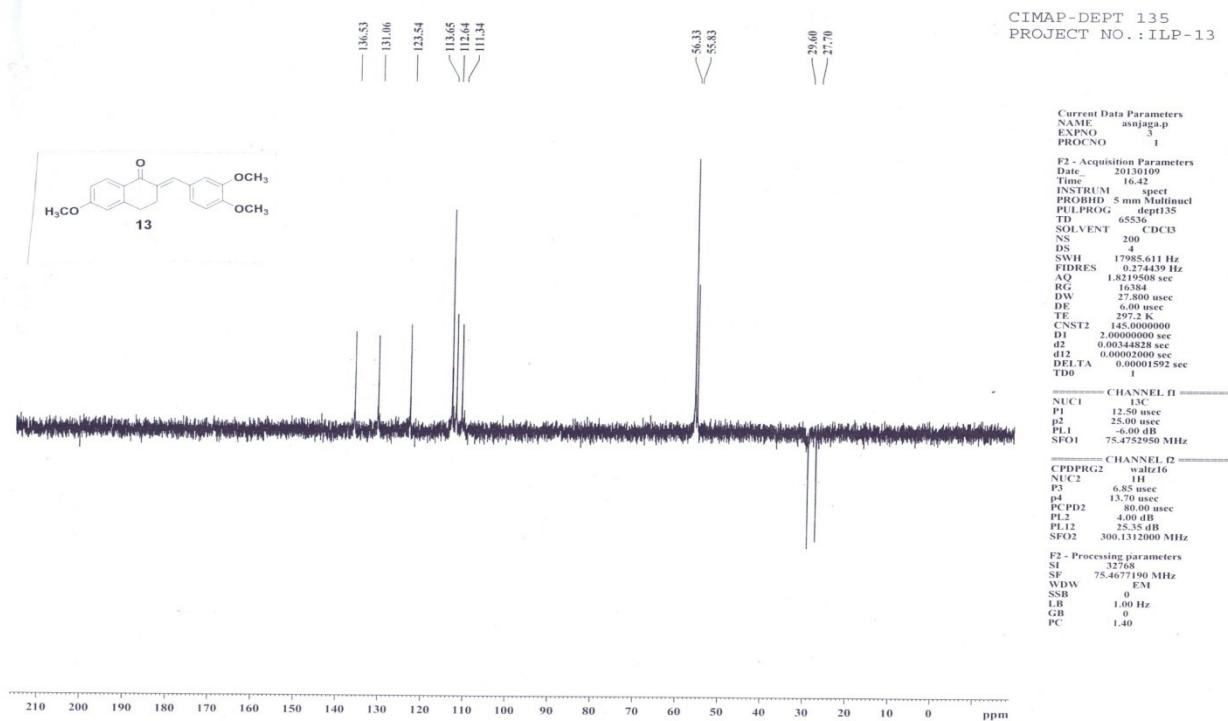
Compound 13: ^1H NMR



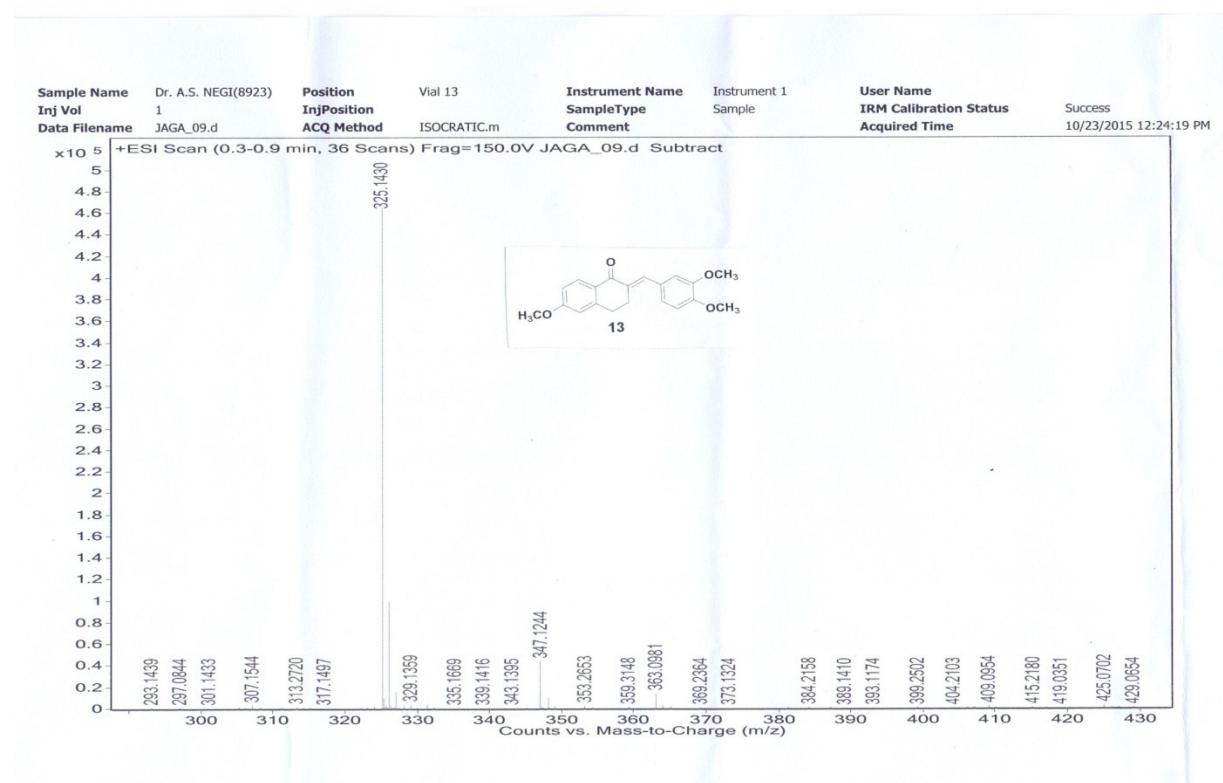
Compound 13: ^{13}C NMR



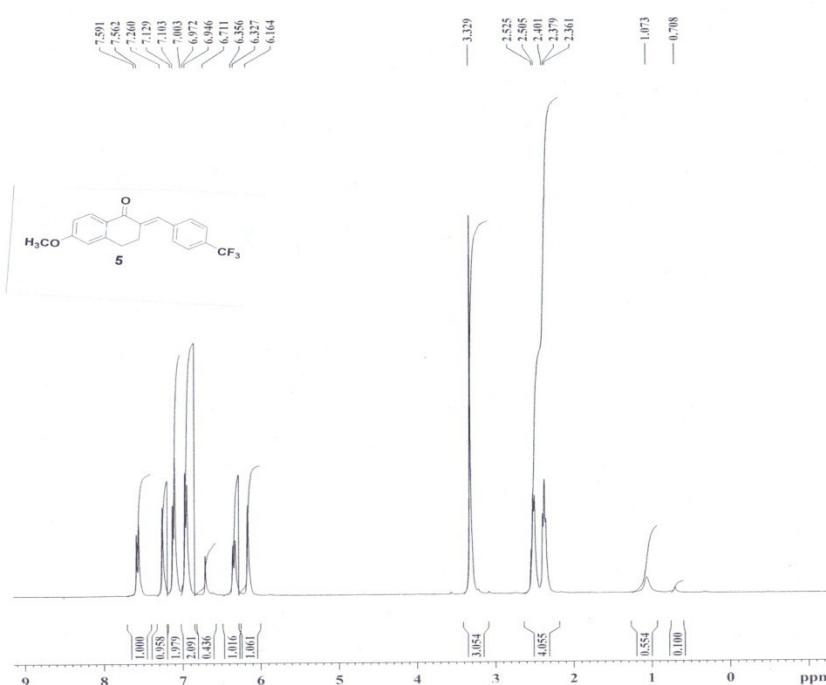
Compound 13: DEPT-135



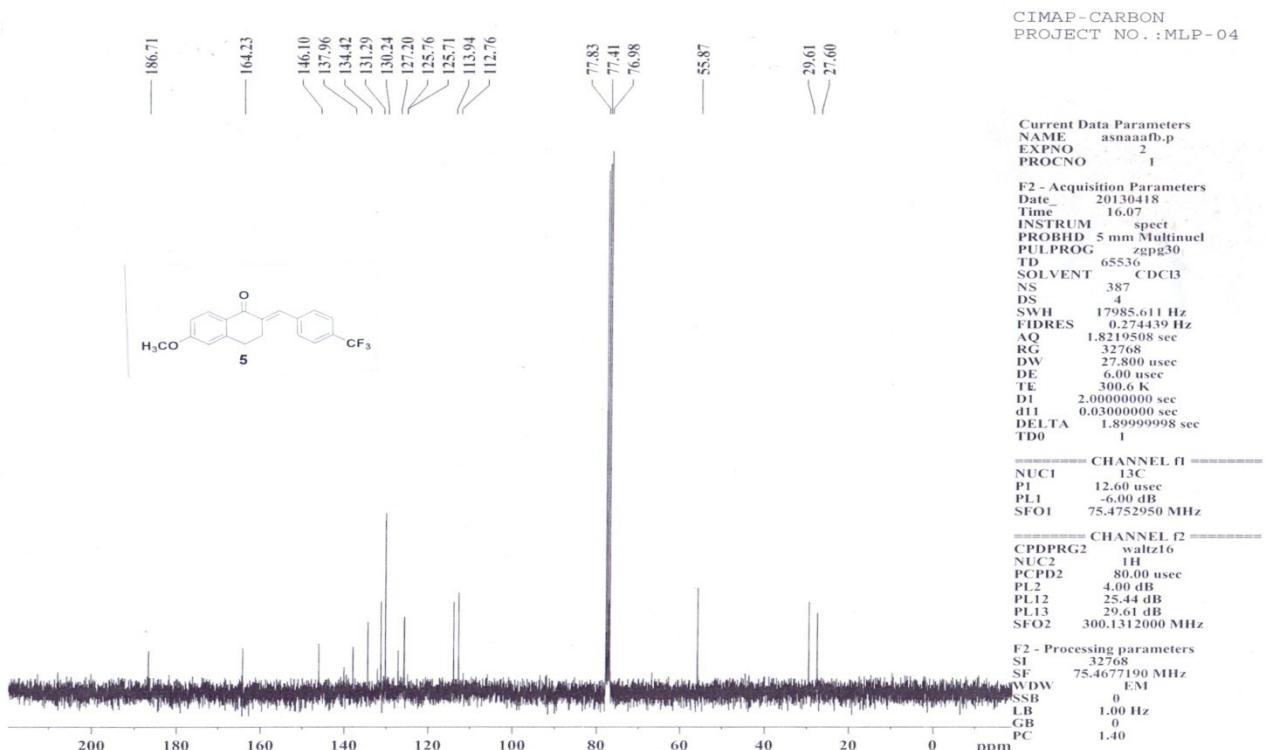
Compound 13: HRMS



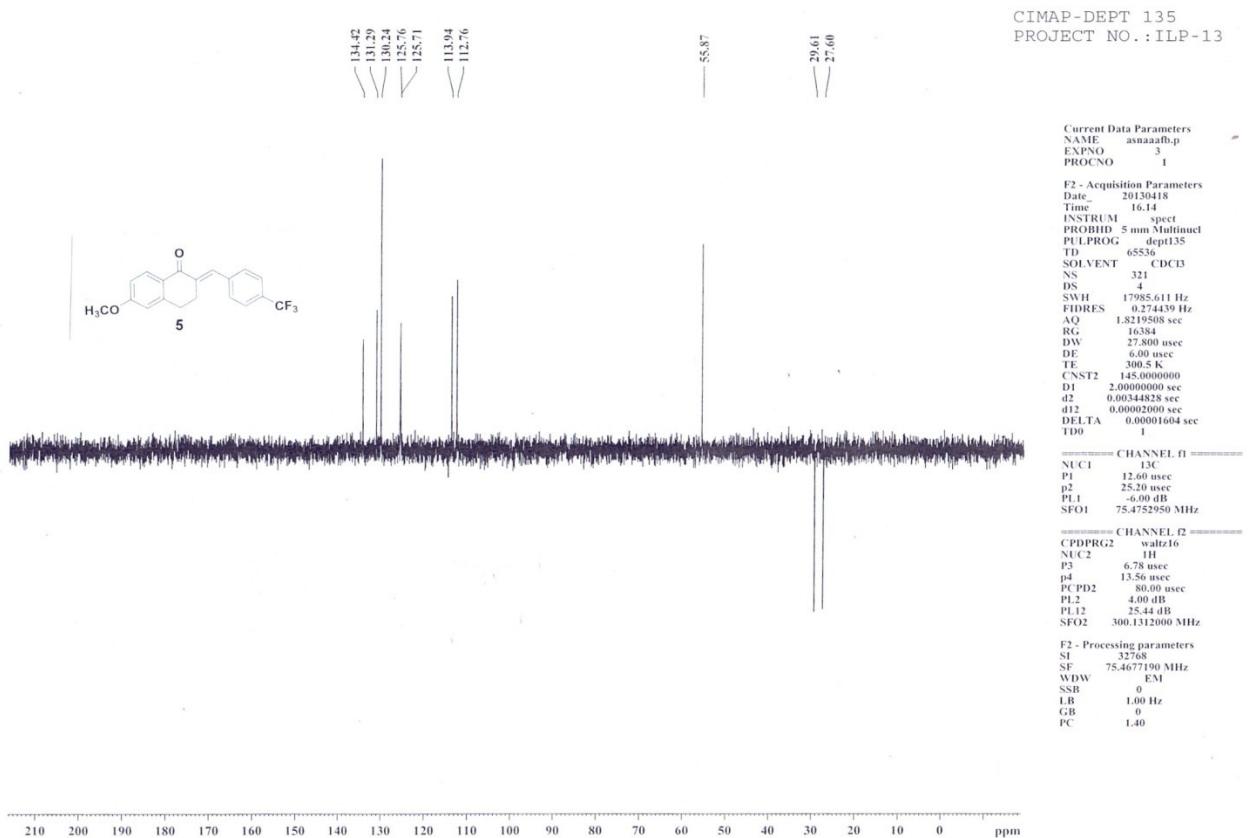
Compound 15: ^1H NMR



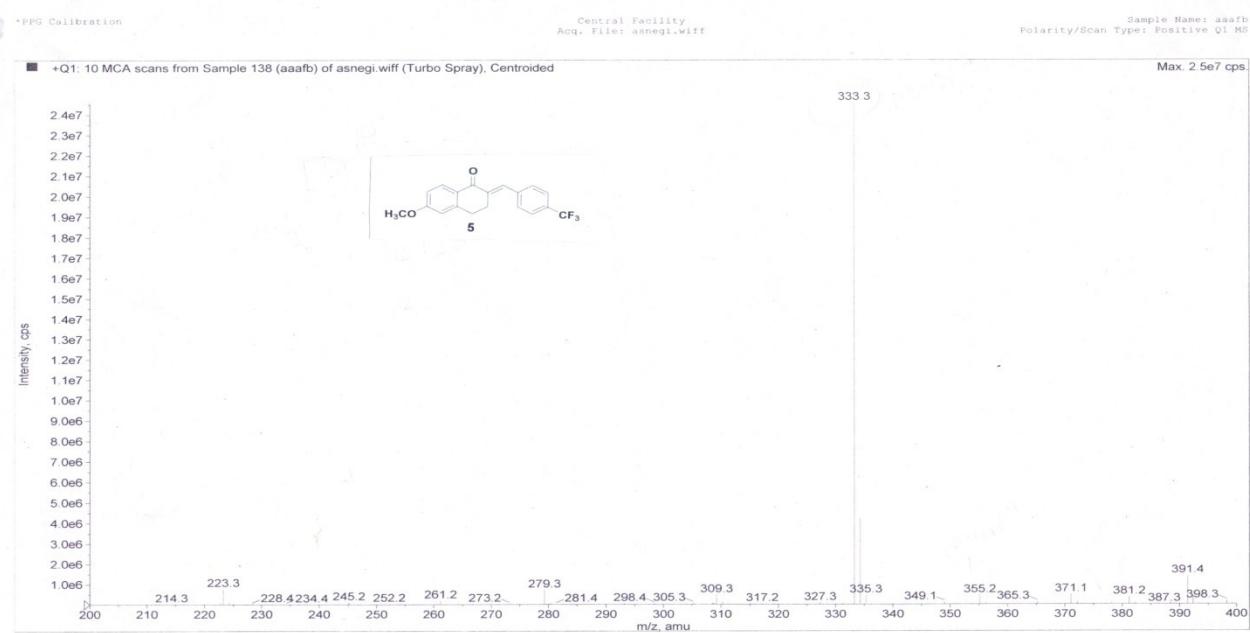
Compound 15: ^{13}C NMR



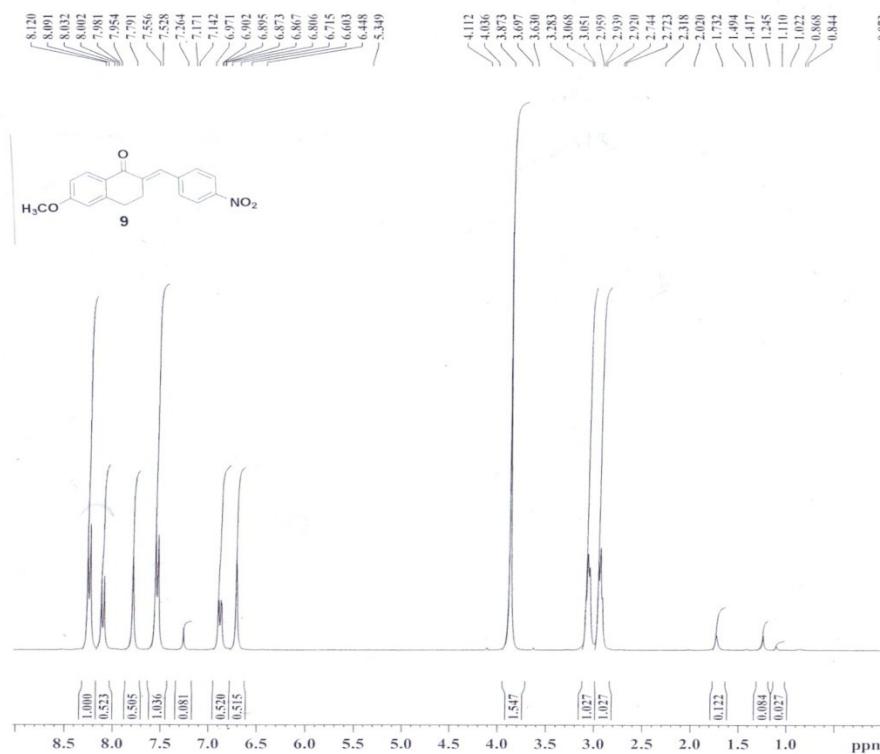
Compound 15: DEPT-135



Compound 15: ESI-Mass



Compound 19: ^1H NMR



CIMAP PROTON
PROJECT NO.: mlp-02

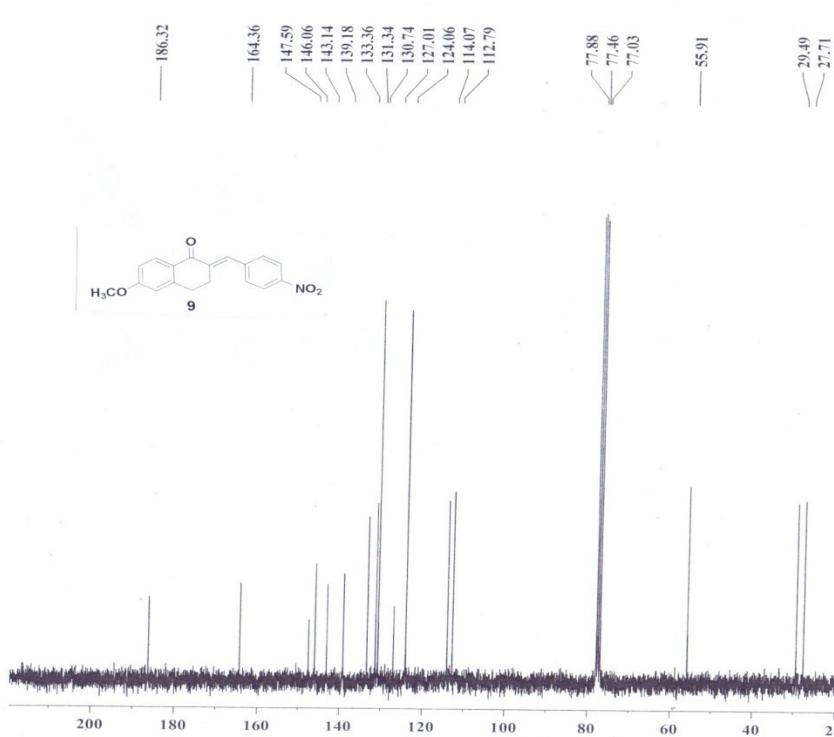
Current Data Parameters
NAME asnbnnit.p
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date 20130315
Time 16.04
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 sec
RG 128
DW 81.000 usec
DE 6.00 usec
TE 300.3 K
D1 1.0000000 sec
TD0 1

===== CHANNEL f1 ======
NUC1 1H
P1 6.78 usec
PL1 4.00 dB
SFO1 300.1318534 MHz

F2 - Processing parameters
SI 32768
SF 300.1300051 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.40

Compound 19: ^{13}C NMR



CIMAP-CARBON
PROJECT NO.: MLP-04

Current Data Parameters
NAME asnbnnit.p
EXPNO 2
PROCNO 1

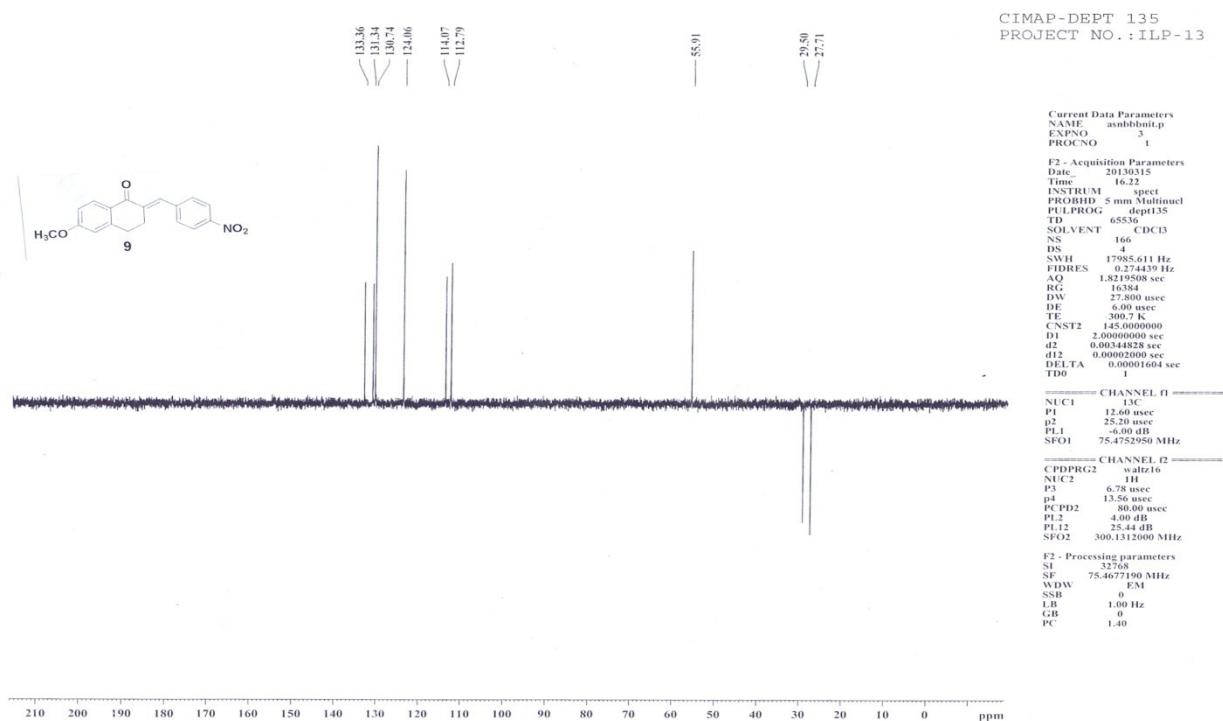
F2 - Acquisition Parameters
Date 20130315
Time 16.05
INSTRUM spect
PROBHD 5 mm Multinucl
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 256
DS 4
SWH 17985.611 Hz
FIDRES 0.274439 Hz
AQ 1.8219508 sec
RG 32
DW 27.800 usec
DE 6.00 usec
TE 300.5 K
D1 2.0000000 sec
d11 0.0300000 sec
DELTA 1.8999999 sec
TD0 1

===== CHANNEL f1 ======
NUC1 13C
P1 12.60 usec
PL1 -6.00 dB
SFO1 75.4752950 MHz

===== CHANNEL f2 ======
CPPIRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
PL2 4.00 dB
PL12 25.44 dB
PL13 29.61 dB
SFO2 300.1312000 MHz

F2 - Processing parameters
SI 32768
SF 75.4677190 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

Compound 19: DEPT-135



Compound 19: ESI-Mass

