Supporting Information

Facile Synthesis of (±)-Paeonilide

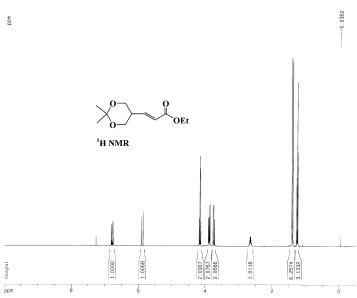
Yuguo Du*1, Jun Liu1 and Robert J. Linhardt2

¹State Key Laboratory of Environmental Chemistry and Ecotoxicology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing 100085, China, and ²Departments of Chemistry, Biology, and Chemical and Biological Engineering, Rensselaer Polytechnic Institute, Troy, New York 12180, USA

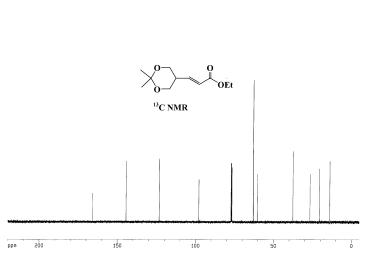
Table of Contents

General methods	S2
H and ¹³ C NMR spectra for compound 5	S3
H and ¹³ C NMR spectra for compound 8	S4
H, ¹³ C NMR and HRMS spectra for compound 3	S5
H, ¹³ C NMR and HRMS spectra for compound 2	S 6
H, ¹³ C NMR and HRMS spectra for compound 1	S7

General methods: Optical rotations were determined at 25 °C with an automatic polarimeter. ¹H, ¹³C NMR spectra were recorded with a 400 MHz spectrometer for solutions in CDCl₃. Mass spectra were measured using QTOF mass spectrometer.

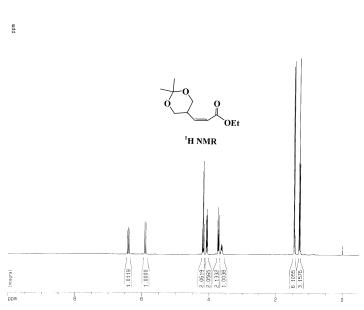


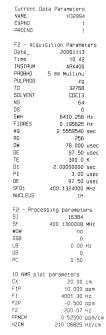
Current Da	ta Parameters	
NAME	H32671	
EXPNO	1	
PROCNO	1	
	-	
F2 - Acqui	sition Paramet	ters
Date_	20061018	
Time	16.14	
INSTRUM	ARX400	
PROBHD	5 mm Multinu	
PULPROG	zo	
TD	32768	
SOLVENT	CDC13	
NS	13	
DS	0	
SWH	6410.256	H2
FIDRES	0.195625	
AO	2.5559540	
RG	180	
DW .	78.000	
DE DE	97.50	
TE		
	300.0	
D1	2.00000000	
P1	3.00	
DE	97.50	
SF01	400.1324000	MHz
NUCLEUS	1H	
E2 Passes	ssing paramete	
ST Proces	16384	11.5
SF	400 1300083	Miles
WDW	400.1300083	MLIZ
SSB	0	
LB	0.00	HZ
GB	0	
PC	0.50	
ID NWD plat	parameters	
CX	20.00	c m
F1P	10.000	
F1P		
F1 F2P	4001.30	
	-0.500	
F2	-200.07	
PPMCM	0.52500	
HZCM	210.06825	HZ/CM

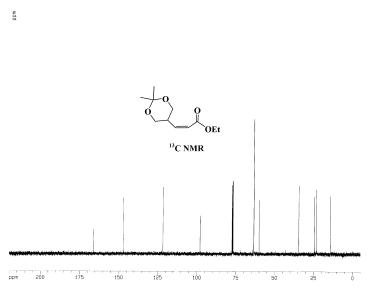


mdd

F2 - Acquisition Parameters Date 20061018 Time 20061018 Time ARXA00 PROBHQ 5 mm Woltinu PULPROD 220C TO 32766 SOLVENT CDC13 NS 103 US 103 US 0.88712 AQ 0.8889740 sec R6 15384		
PAGBAD 5 mm Multinu PULPHOG 2gdc TU 32768 SOLVENT COC13 NS 103 DS 0 SWH 27777.777 Hz FIDRES 0.847710 Hz AG 0.5868740 sec R6 16384		
PULPROG 700C TO 3276B SOLVENT CDC13 NS 103 NS 103 SNH 27777.777 Hz F10HCS 0.847710 Hz AD 0.5889740 sec		
TO 3276B SOLVENT CDC13 NS 103 DS 0 SWH 27777.777 Hz FIDRES 0.847710 Hz A0 0.5898740 sec RG 16384		
SOLVENT CDC13 NS 103 DS 0 SWH 27777.777 Hz FIDRES 0.847710 Hz AQ 0.5898740 sec RG 16384		
NS 103 DS 0 SWH 27777.777 Hz FIORES 0.847710 Hz AG 0.5898740 sec RG 16384		
DS 70 70 70 70 70 70 70 70 70 70 70 70 70		
SWH 27777.777 Hz FIDRES 0.847710 Hz AQ 0.5898740 sec RG 16384		
FIDRES 0.847710 Hz AG 0.5898740 sec RG 16384		
AQ 0.5898740 sec RG 16384		
RG 16384		
DW 18.000 usec		
DE 25.71 usec		
TE 300.0 K		
D12 0.00002000 sec		
DL5 22.20 dB		
CPDPRG waltz16		
P31 100.00 usec		
D1 2.00000000 sec		
P1 2.00 usec		
DE 25.71 usec		
SF01 100.6240000 MHz		
NUCLEUS 13C		
D11 0.03000000 sec		
F2 - Processing parameters		
SI 32768		
SF 100.6127755 MHz		
WDW EM		
SSB 0		
LB 0.50 Hz		
GB 0		
PC 0.30		
1D NMR plot parameters		
CX 20.00 cm		
F1P 220.000 ppm		
F1 22134.81 Hz		
F2P -5 000 ppm		
F2P -5.000 ppm F2 -503.07 Hz		
F2P -5 000 ppm		







Current Da	ta Parameters
NAME	032994
EXPNO	1
PROCNO	1
F2 - Acquir	sition Parameters
Date_	20061113
Time	15.57
INSTRUM	ARX400
	5 mm Multinu
PULPROG	zqdc
TO	32768
SOL VENT	CDC13
NS NS	49
DS	0
SWH	27777.777 Hz
FIDRES	
AG	0.847710 Hz
RG RG	0.5898740 sec
	16384
DW	18.000 usec
DE	25.71 usec
TE	300.0 K
D12	0.00002000 sec
DL5	22.20 dB
CPOPRG	waltz16
P31	100.00 usec
D1	2.00000000 sec
P1	2.50 usec
DE	25.71 usec
SF01	100.6240000 MHz
NUCLEUS	13C
D11	0.03000000 sec
F2 - Proces	sing parameters
SI	32768
SF	100.6127687 MHz
WDW	EM
SSB	0
LB	1.00 Hz
GB	0
PC	0.30
1D NMR plot	parameters
CX	20.00 cm
F1P	220.000 ppm
F1	22134.81 Hz
F2P	-5.000 ppm
F2	-503.07 Hz
PPMCM	11.25000 ppm/cm
HZCM	1131.89368 Hz/cm

