Supporting Information

New Safrole Oxide Derivatives: Synthesis and in vitro Antiproliferative Activities on **A549 Human Lung Cancer Cells**

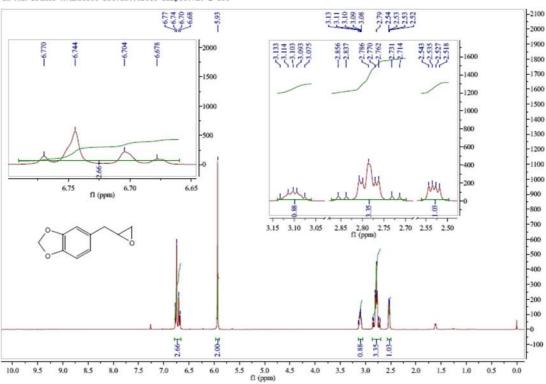
Li-Ying Wang, Xiu-Hua Wang, Jia-Lian Tan, Shuai Xia, Heng-Zhi Sun, Jin-Wen Shi, Ming-Dong Jiang, † Liang Fang,† Hua Zuo,* Gautam Dupati,‡ Kiwan Jang,‡ and Dong-Soo Shin‡,*

College of Pharmaceutical Sciences, Southwest University, Chongqing 400716, China. *E-mail: zuohua@swu.edu.cn Department of Oncology, The Ninth People's Hospital of Chongaing, Chongaing 400700, China [‡]Departments of Chemistry & Physics, Changwon National University, Changwon, GN 641-733, Korea *E-mail: dsshin@changwon.ac.kr Received May 29, 2012, Accepted August 1, 2012

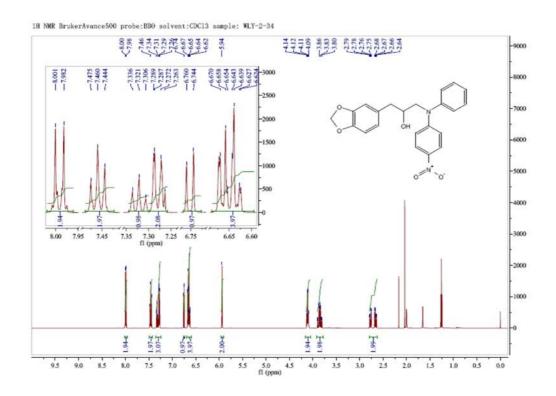
Spectral data of compound 2, 4a-c, 6a-c, 7, 9a-h

Compound 2

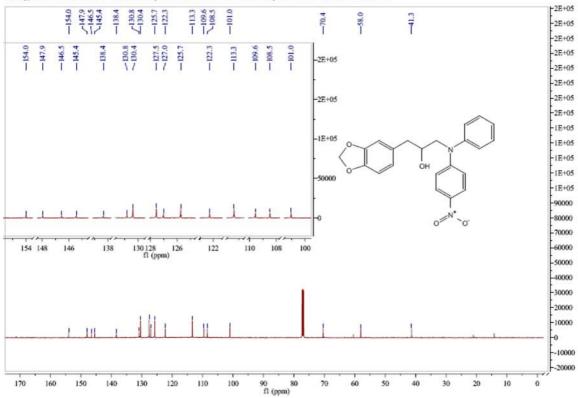
1H NMR Bruker Avance300 solvent:CDC13 sample:WLY-2-106

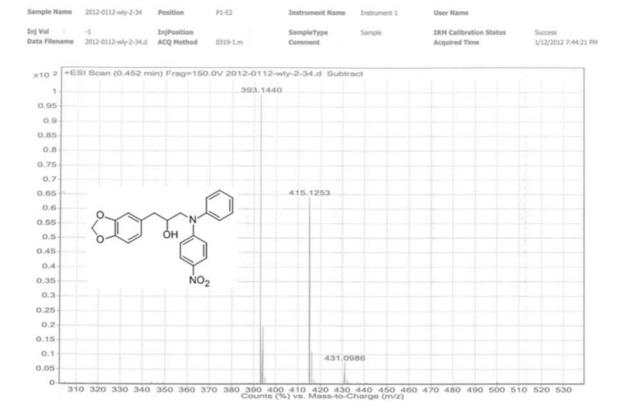


Compound 4a



xiongyan 13C NMR Bruker Avance500 probe:TXI solvent:CDC13 sample: WLY-2-34 date:20110108

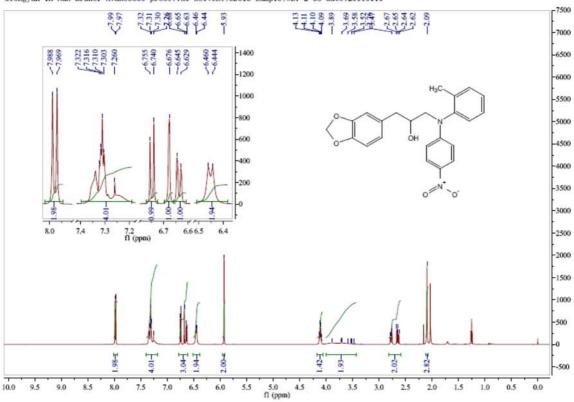




Compound 4b

Sample Name 2012-0113-wly-2-36

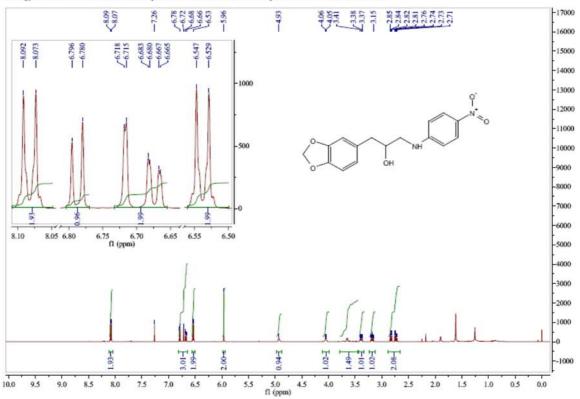
xiongyan 1H NMR Bruker Avance500 probe:TXI solvent:CDCl3 sample:WLY-2-36 date:20110111



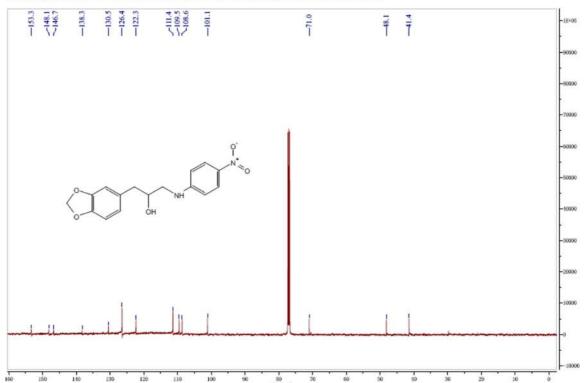
ij Vol ata Filename	-1 2012-0113-wly-2-36.d	InjPosition ACQ Method	0319-1.m	SampleType Comment	Sample	IRM Calibration Status Acquired Time	Success 1/13/2012 9:21:12
×10 2 +E	SI Scan (0.317 m	in) Frag=150.	.0V 2012-0113-wh	y-2-36.d Sub	tract (2)		
1-				40	7.1623		
0.95							
0.9							
0.85							
0.8							
0.75							- 1
0.7							10.
0.65	_						- 1
0.6	104	\sim	N/		429,1445		
0.55		/ di	н				18
0.5	0- \						1
0.45							
0.4			, I				- 1
0.35			NO ₂				- 12
0.3-							10
0.25							
0.2							
0.15							
0.1							
0.05	253.0987		354.1252				
0	×	Lake 1					

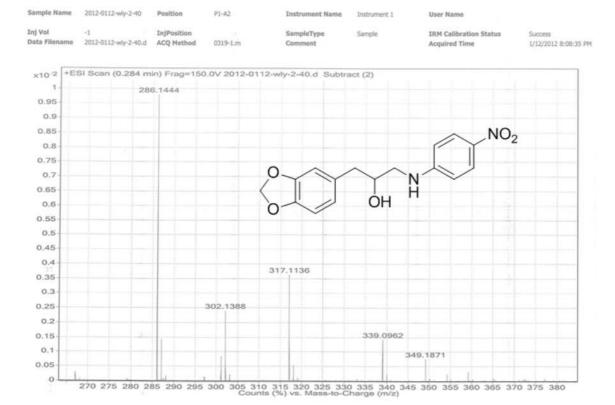
Compound 4c

xiongyan 1H NMR Bruker Avance500 probe:TXI solvent:CDC13 sample:WLY-2-40 date:20110109



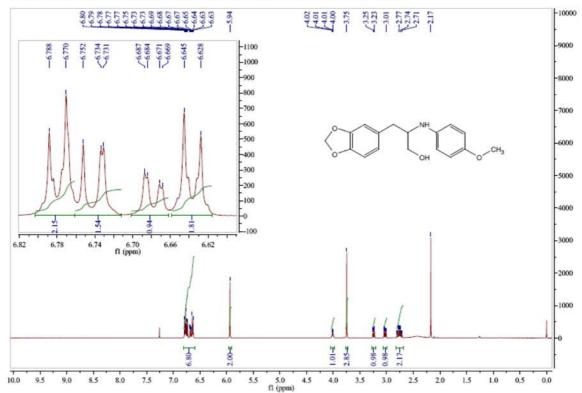
xiongyan 13C NMR Bruker Avance500 probe:TXI solvent:CDC13 sample:WLY-2-40 date:20110109



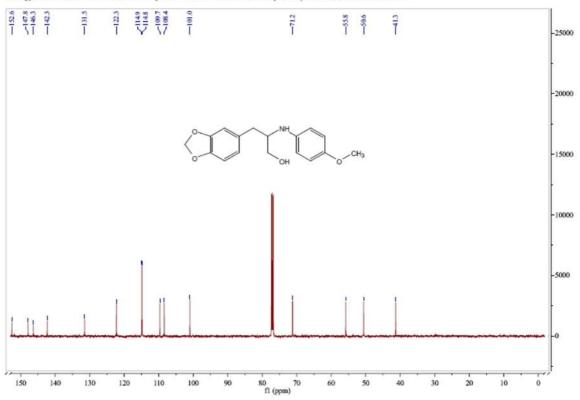


Compound 6a

xiongyan 1H NMR Bruker Avance500 probe:BBO solvent:CDC13 sample:wly-2-100-2 date:20110930



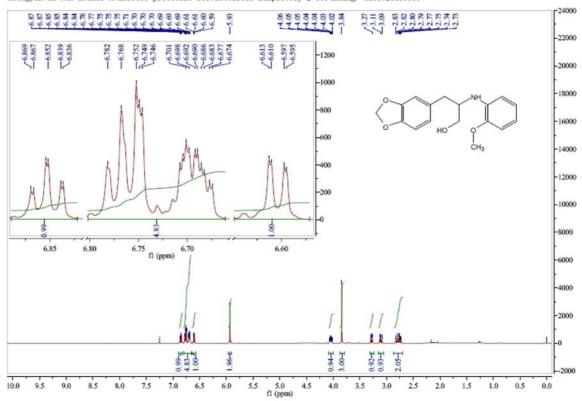
xiongyan 13C NMR Bruker Avance500 probe:BBO solvent:CDC13 sample;wly-2-100(1) date:20120104



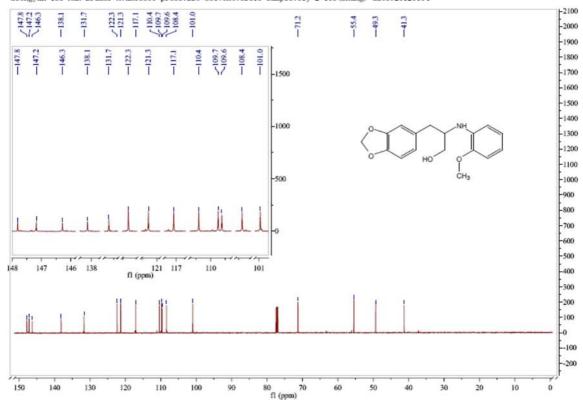
nj Vol ata Filename	-1 2012-0112-wly-2-100-	InjPosition ACQ Method	0319-1.m	SampleType Comment	Sample	IRM Calibration Status Acquired Time	Success 1/12/2012 8:04:55 F
×10 2 +E	SI Scan (0.488 m	in) Frag=150	.0V 2012-011	2-wly-2-100-2.d Su	btract		
1-		302,1384					
0.95							
0.9							
0.85							
0.8		_					
0.75							
0.7							
0.65							
0.6					H A		
0.55			0-	/	N/		
0.5			_ <				
0.45			·o-		OH W	0	
0.4							
0.35							
0.3-							
0.25		_					
0.2							
0.15							
0.1							
0.05							
0		0.01					

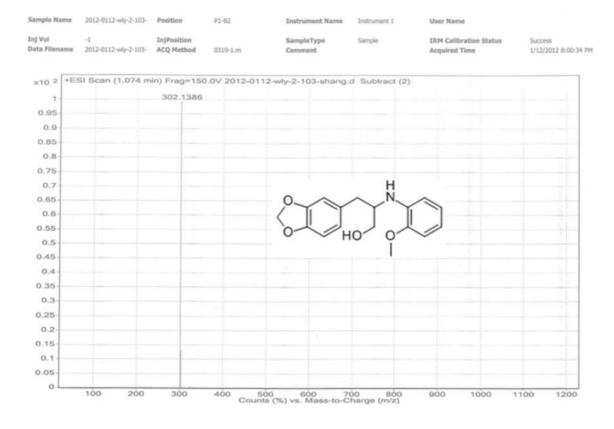
Compound 6b

xiongyan 1H NMR Bruker Avance500 probe:BBO solvent:CDC13 sample:wly-2-103(shang) date:20110930



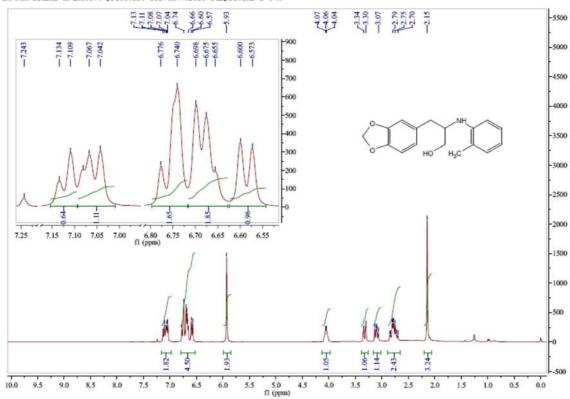
xiongyan 13C NMR Bruker Avance500 probe:BBO solvent:CDC13 sample:wly-2-103(shang) date:20120104



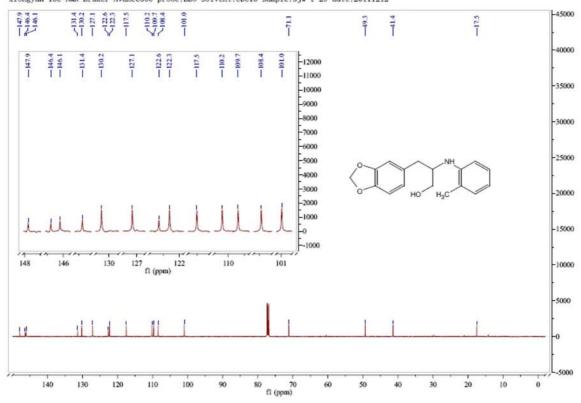


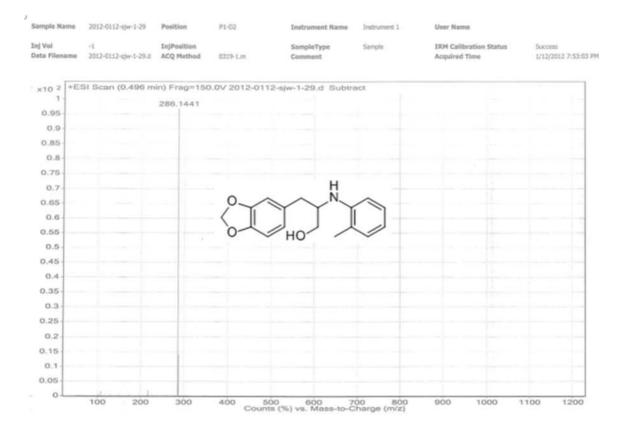
Compound 6c





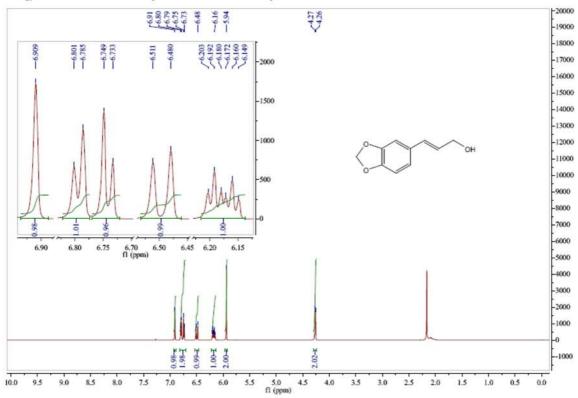
xiongyan 13C NMR Bruker Avance500 probe:BBO solvent:CDC13 sample:sjw-1-29 date:20111212



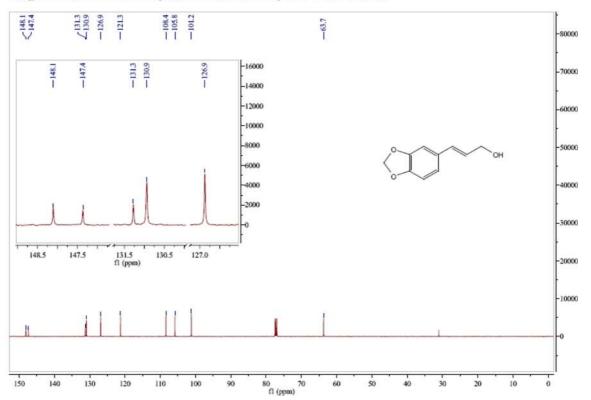


Compound 7

xiongyan 1H NMR Bruker Avance500 probe:BBO solvent:CDC13 sample:ZHY-1-5 date:20110510

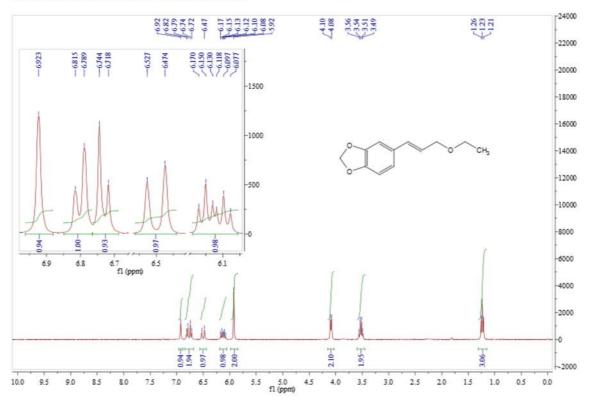


xiongyan 13C NMR Bruker Avance500 probe:BBO solvent:CDC13 sample:ZHY-1-5 date:20110510

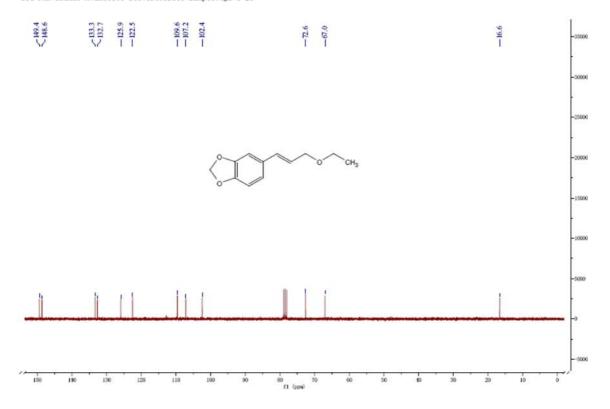


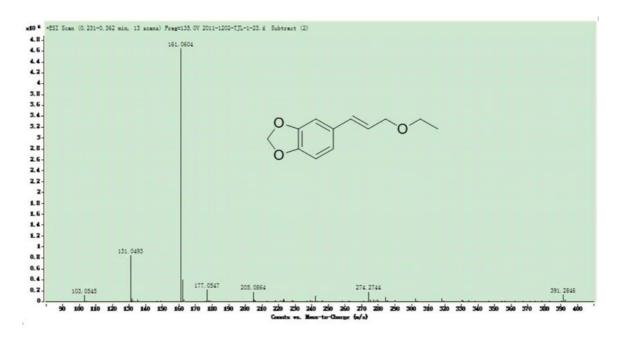
Compound 9a

1H NMR Bruker Avance300 Solvent:CDC13 sample:TJL-1-23



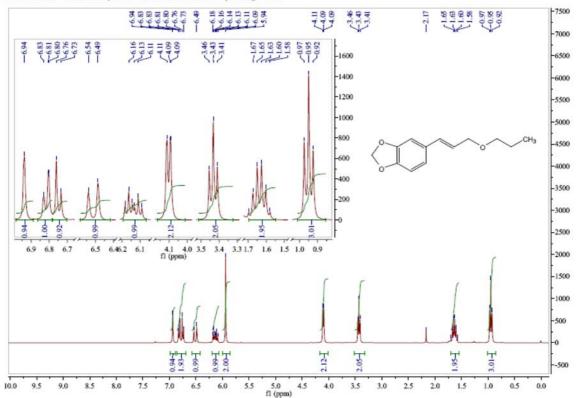
13C NMR Bruker Avance300 Solvent:CDC13 sample:TJL-1-23



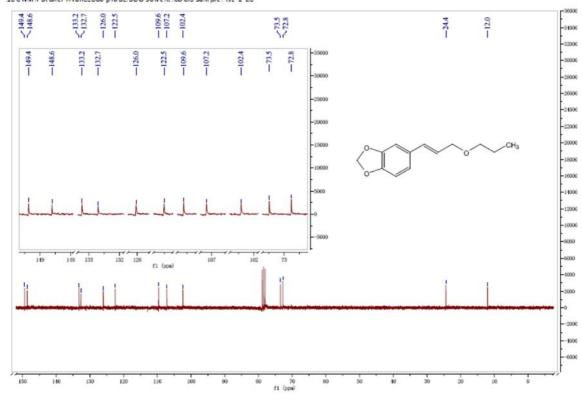


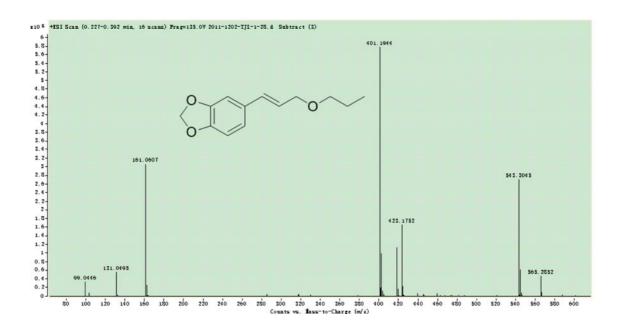
Compound 9b

1H NMR Bruker Avance300 probe:BBO solvent:CDC13 sample: TJL-1-22

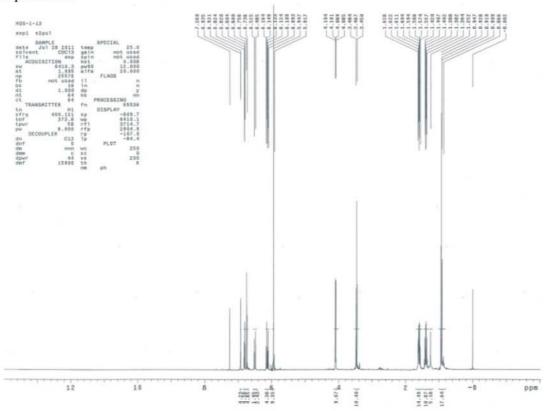


13 C NMR Bruker Avance300 probe: BBO solvent: CD Cl3 sample: TJL-1-28

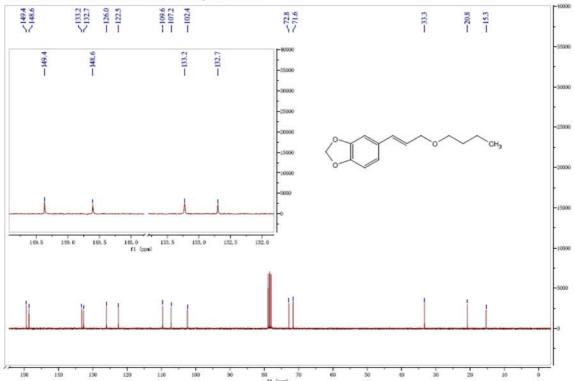


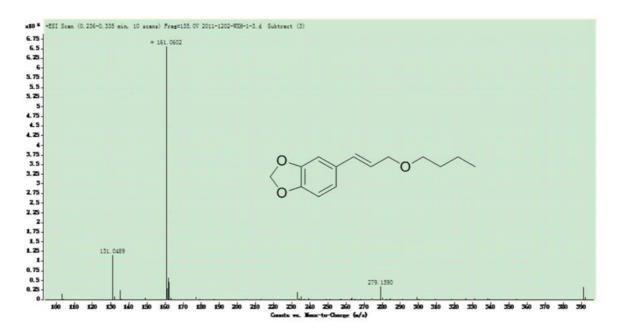


Compound 9c



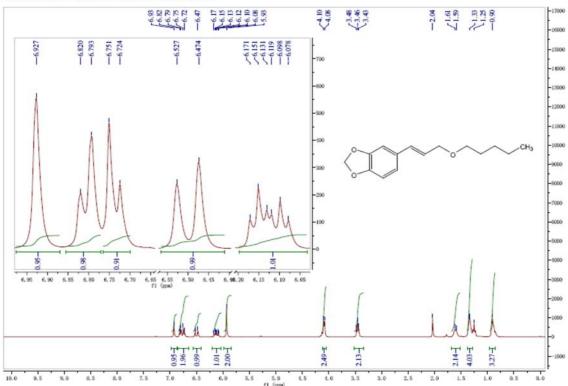




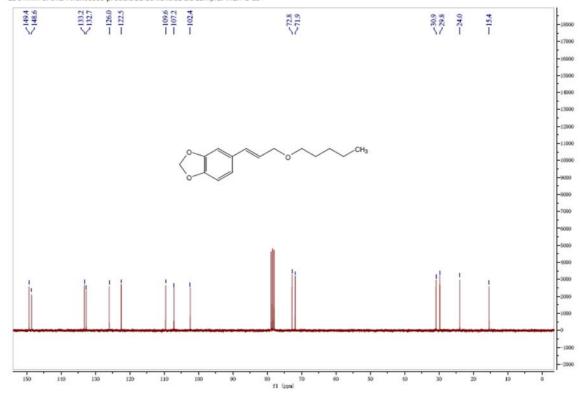


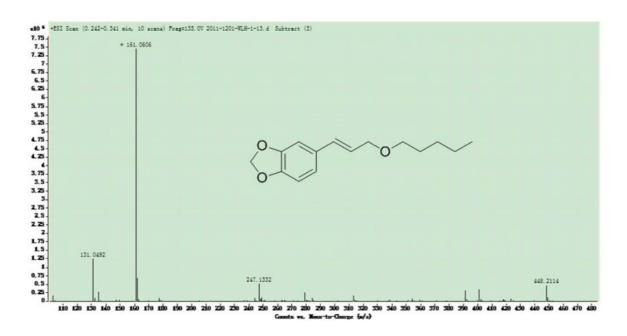
Compound 9d

1H NMR Bruker Avance300 probe:BBO solvent:CDCl3 sample: WLH-1-13



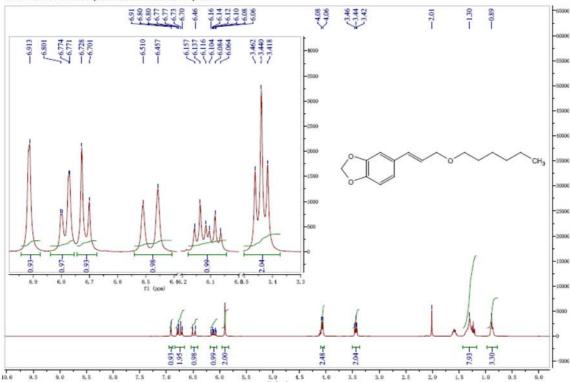
13C NMR Bruker Avance300 probe: BBO solvent: CDCl3 sample: WLH-1-13

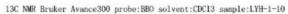


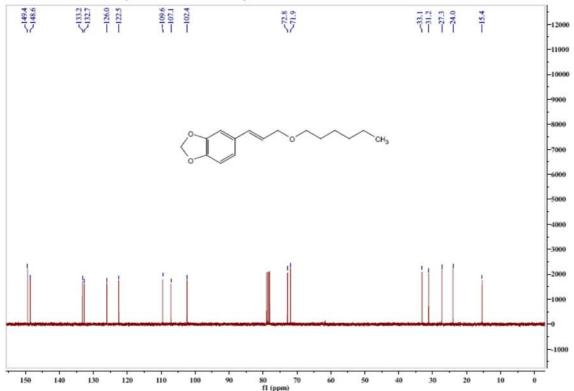


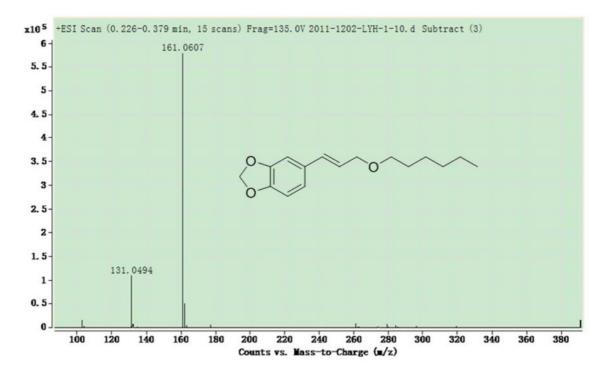
Compound 9e





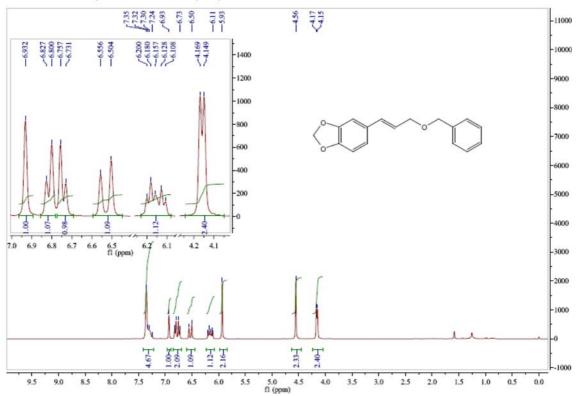




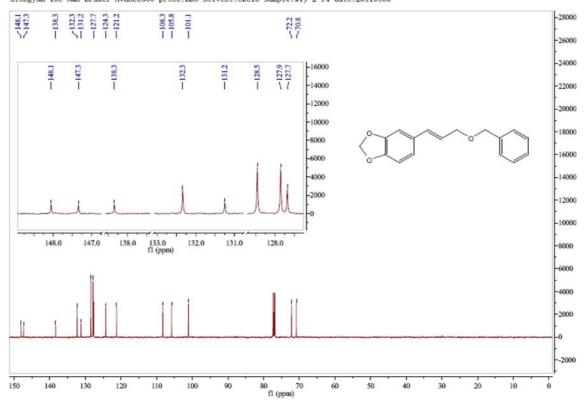


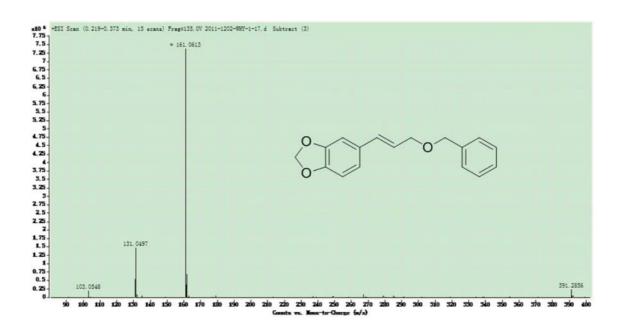
Compound 9f





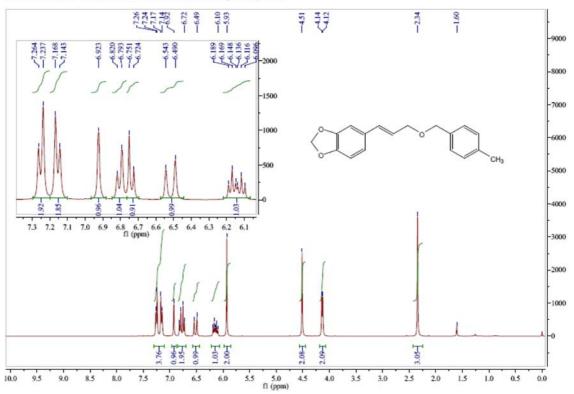
xiongyan 13C NMR Bruker Avance500 probe:BBO solvent:CDC13 sample:wly-2-94 date:20110930



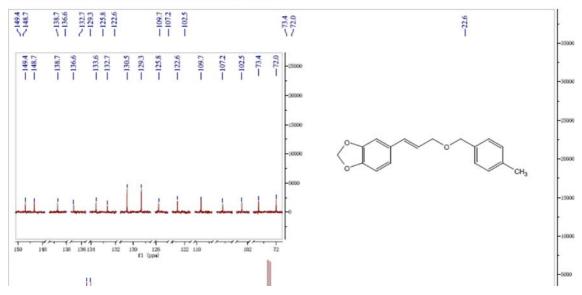


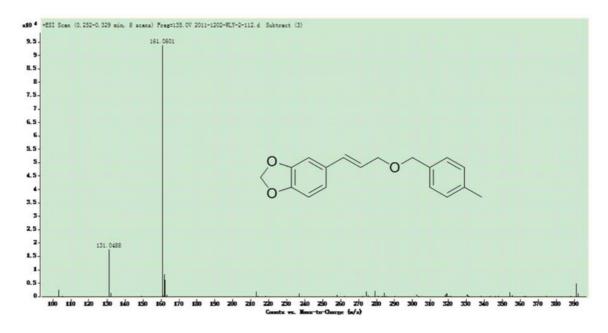
Compound 9g

1H NMR Bruker Avance300 Solvent:CDCl3 sample:Wly-2-112



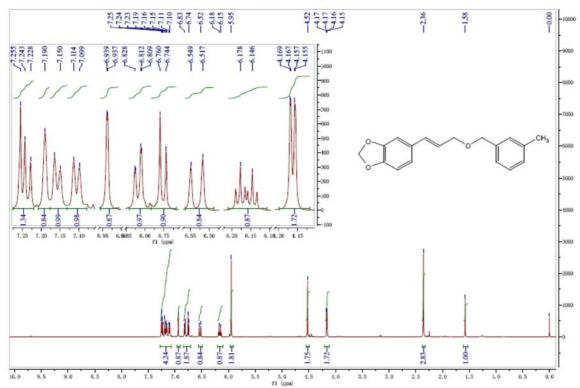
13C NMR Bruker Avance300 Solvent:CDCl₃ sample:W1y-2-112





Compound 9h

xiongyan 1H NMR Bruker Avance500 probe:BBO solvent:CDC13 sample:WLY-2-113 date:20111212



xiongyan 13C NMR Bruker Avance500 probe:BBO solvent:CDC13 sample:wly-2-113 date:20120104

