Total Synthesis of (5R,6R,8R,9S)-(-)-5, 9Z-Indolizidine 221T using Sulfinimine-Derived N-Sulfinyl β -Amino Ketones

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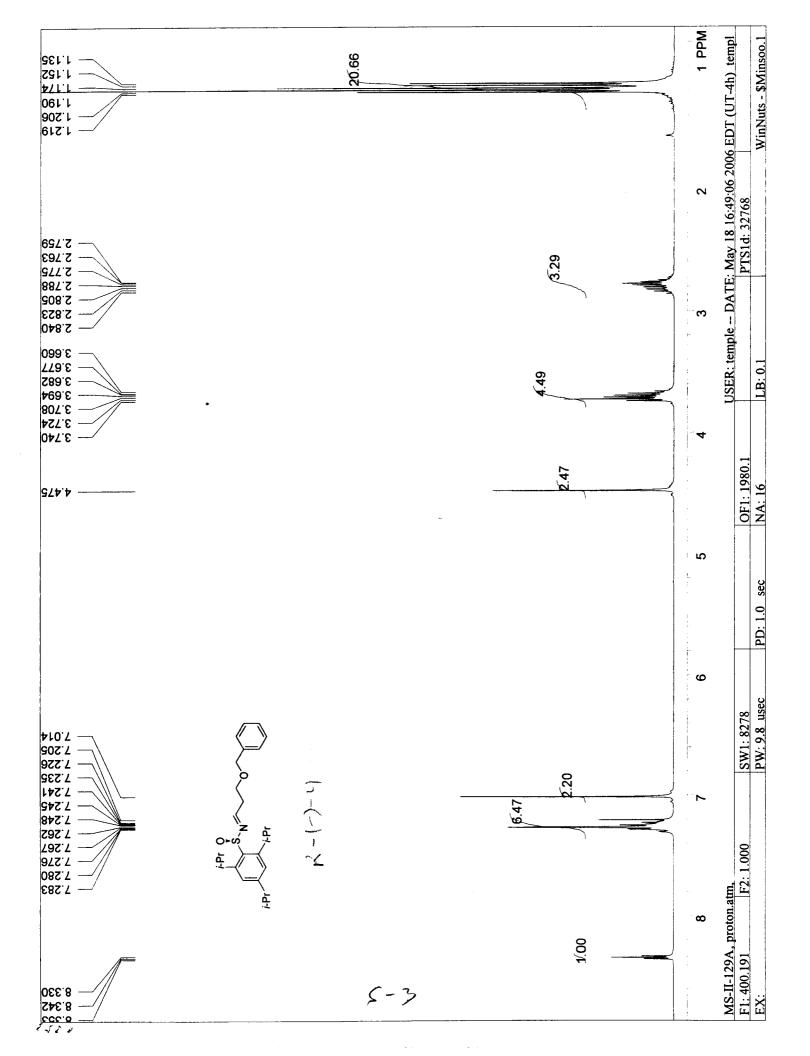
Supporting Information Available

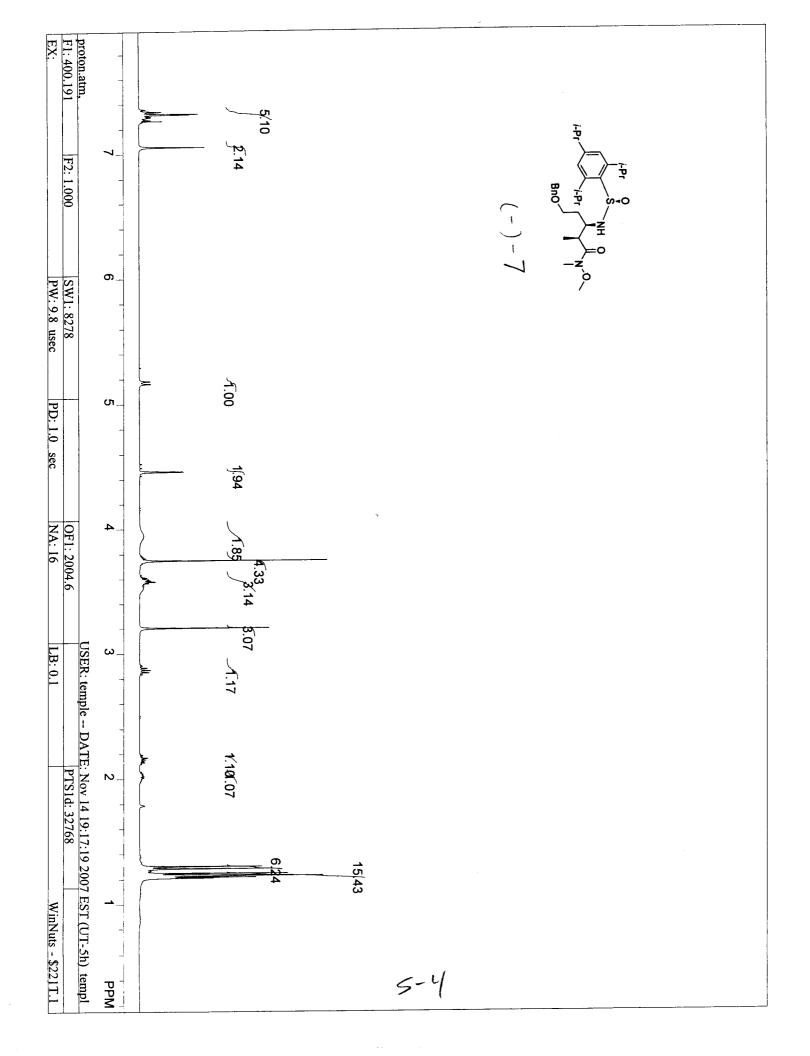
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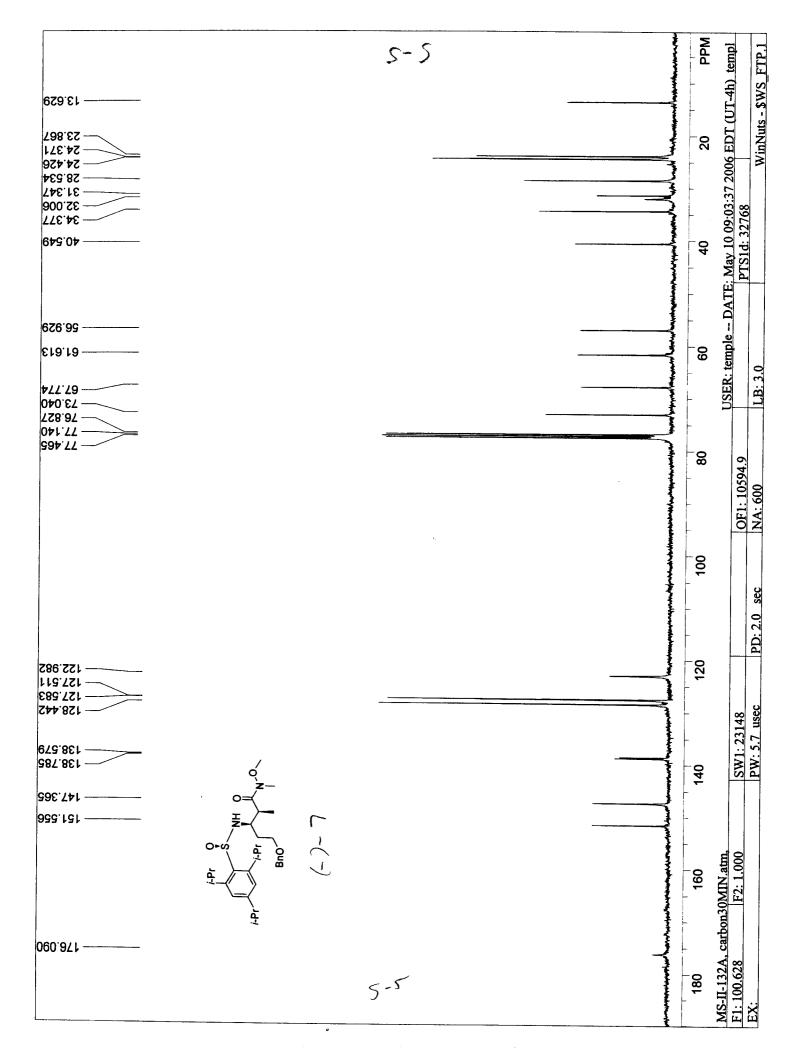
NMR spectra for:

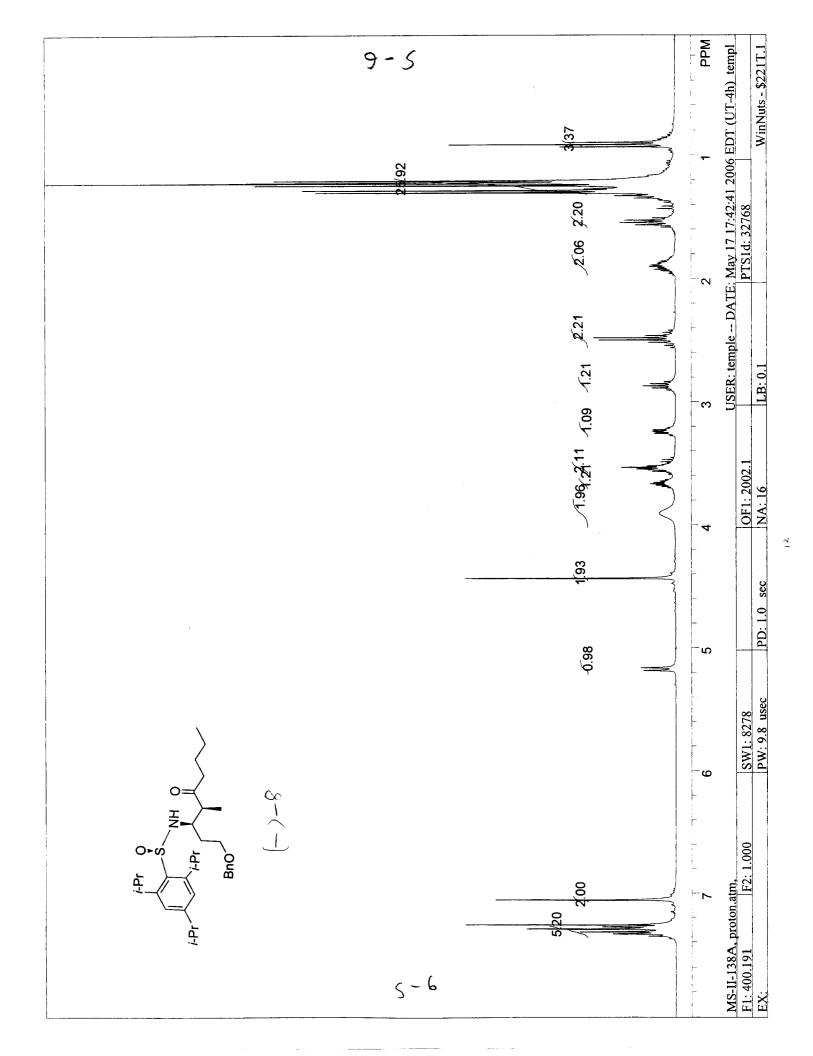
Compound	Page ¹ H	¹³ C
(-)-4	S2	S 3
(-) -7	S4	S5
(-)-8	S 6	S 7
(+)-9	S8	S9
(-) -11	S10	S 11
(+)-13	S12	S13
(-)-14	S14	S15
(-)-16	S 16	S17
(-)-18	S18	S19
(-)-19	S20	S21
(-)-1	S22	S23

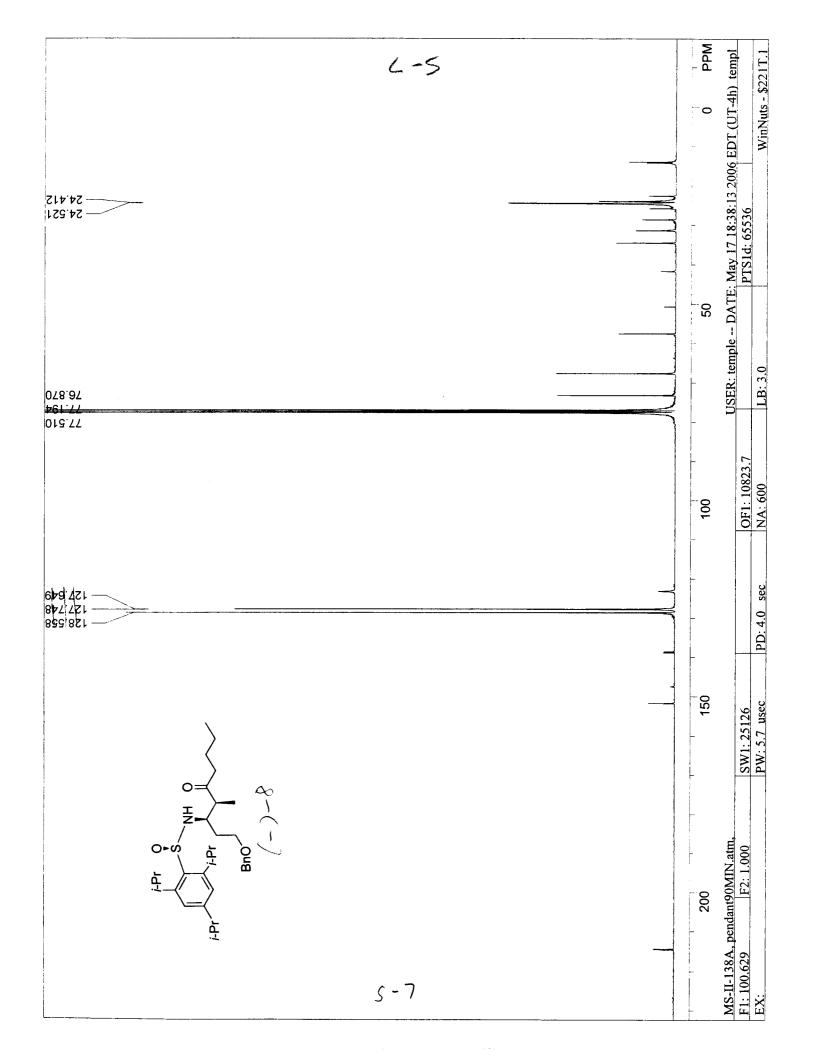
					40 20 PPM	DATE: Oct 27 12:05:19 2007 EDT (UT-4h) templ PTS1d: 32768	WinNuts - \$221T.1
99					09	mple	LB: 3.0
12 14 14					8	OF1: 10593.4	NA: 512
			,		100		PD: 2.0 sec
721 ————————————————————————————————————					120	SW1: 23148	PW: 5.7 usec
231 ———— 641 ————	N. S. N. Pro-	R.(-)-4			140	F2: 1.000	
3.291 ———	· .		5-Z		160	carbon30MIN.atm, F1: 100.628	EX:

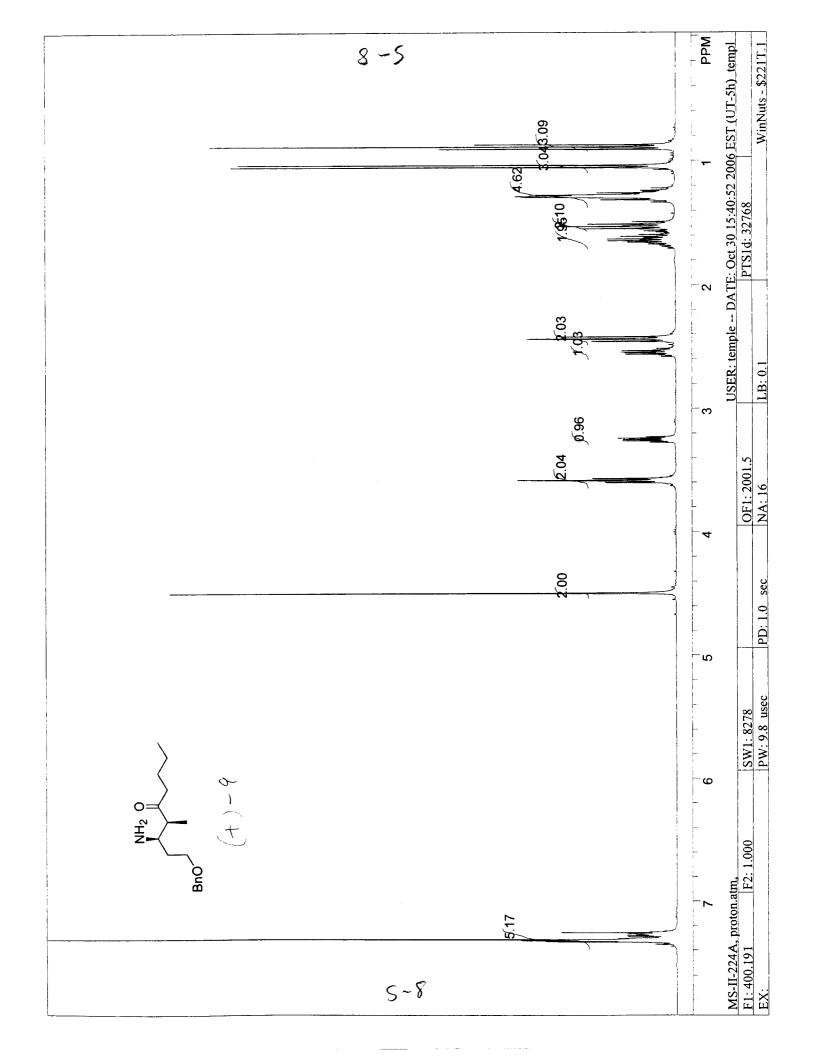




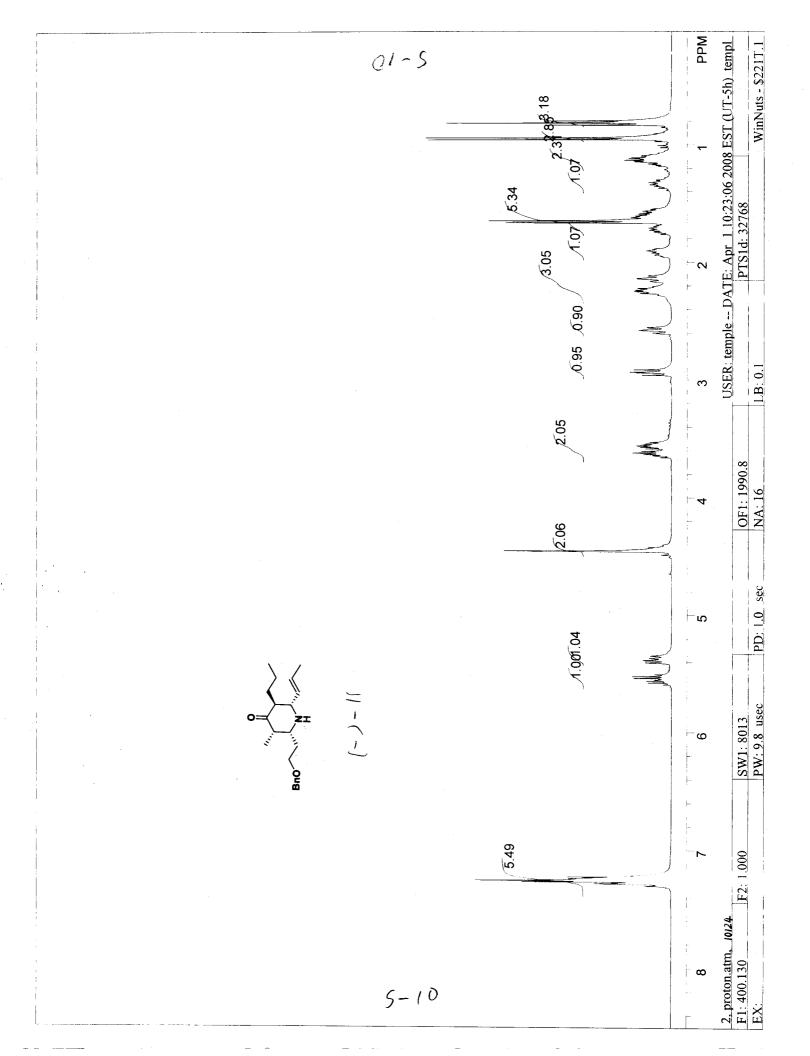


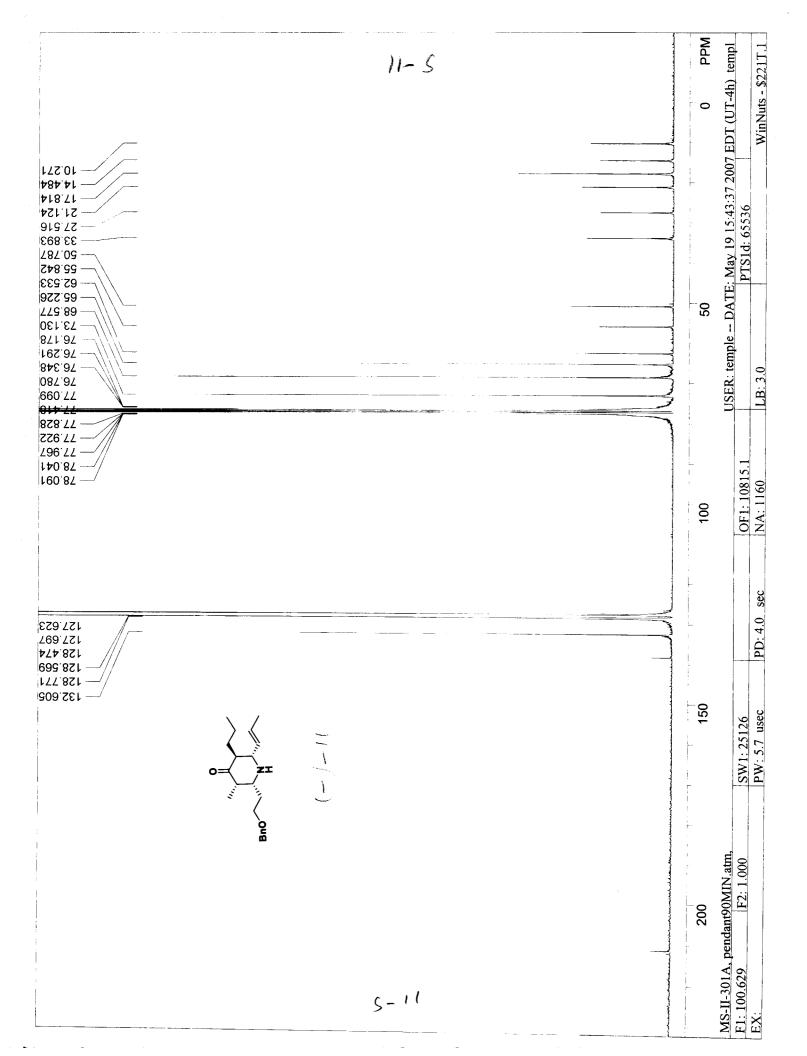


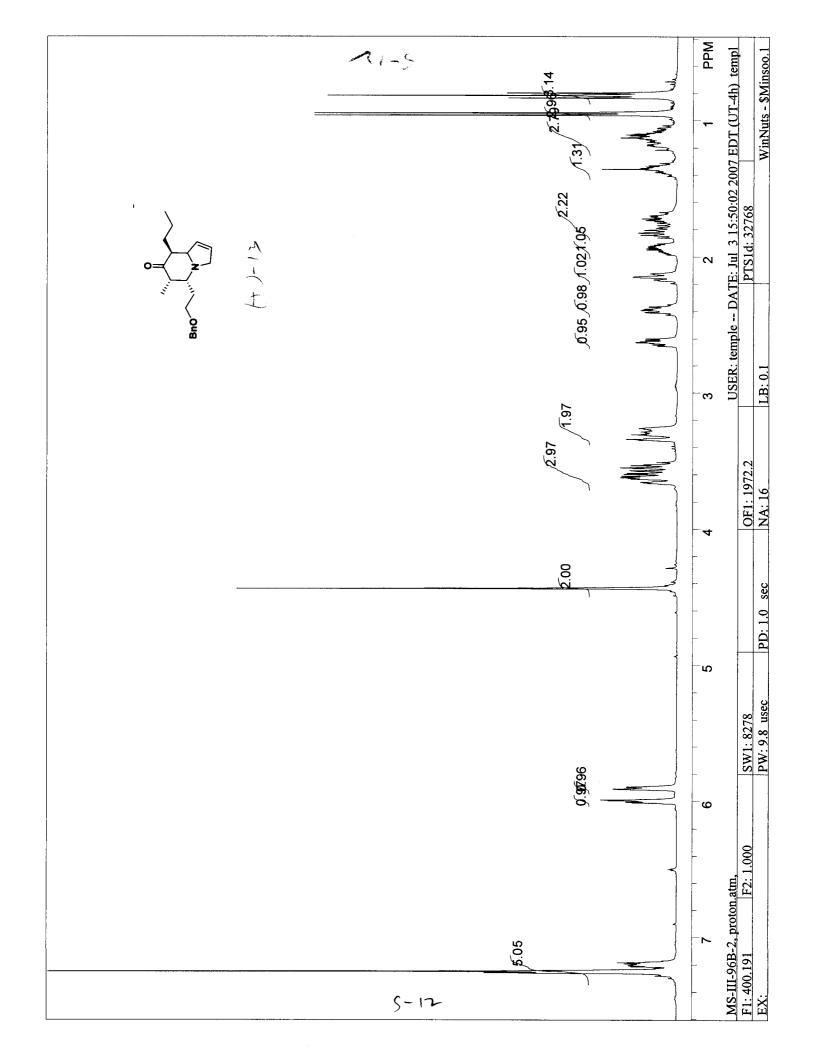




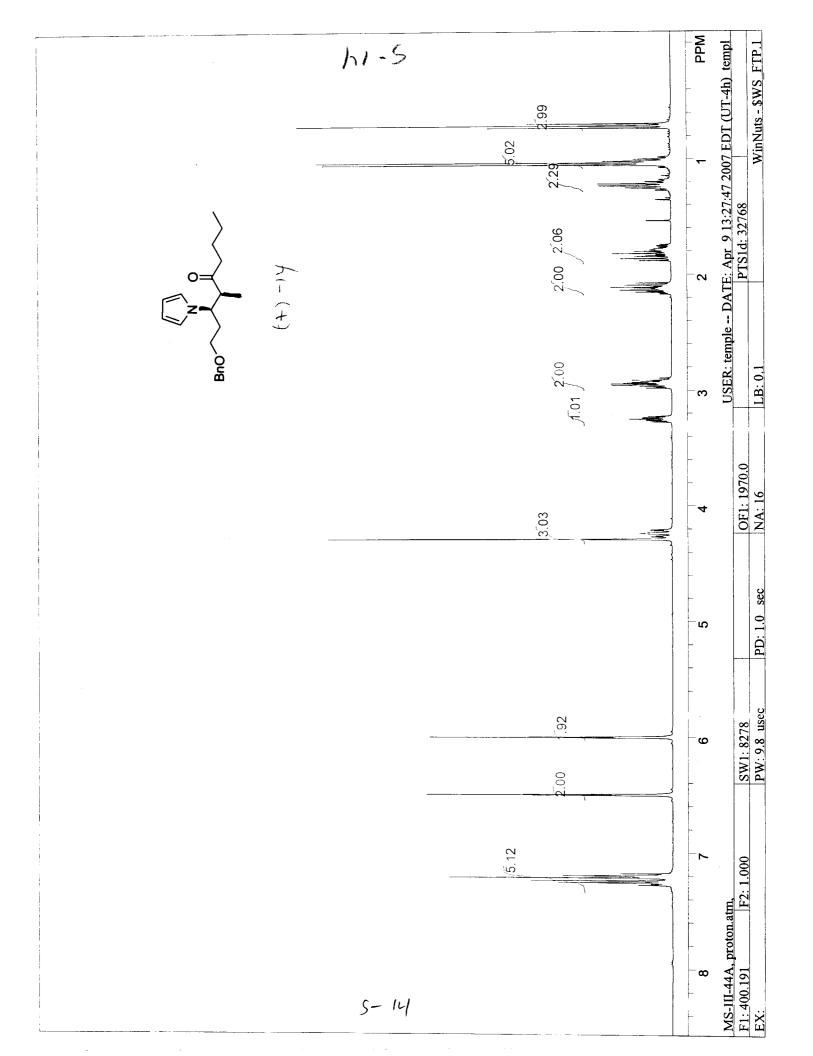
688.32 613.52 610.41 653.01		6-5	Wdd 0	:07 2006 E	WinNuts - \$221T.1
88.14 ————————————————————————————————————			20	smple DATE: Oct 30 16:44 PTS1d: 32768	
808.77 091.77 698.87 252.67 872.88			100	7.00	NA: 1024 LB: 3.0
262.861 128.631 187.721			150		PW: 5.7 usec PD: 2.0 sec
9ZÞ.ÞſZ	BnO AH2 O	5-9	200	MS-II-224A, carbon30MIN.atm, F1: 100.628 F2: 1.000	



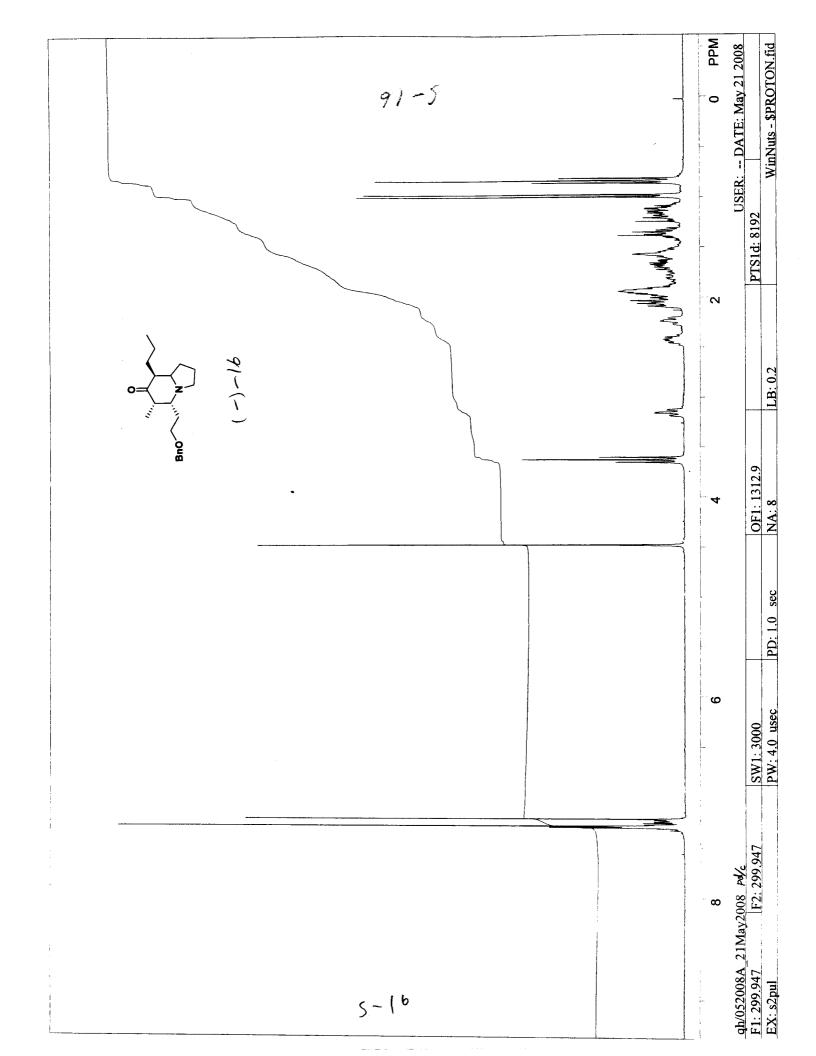


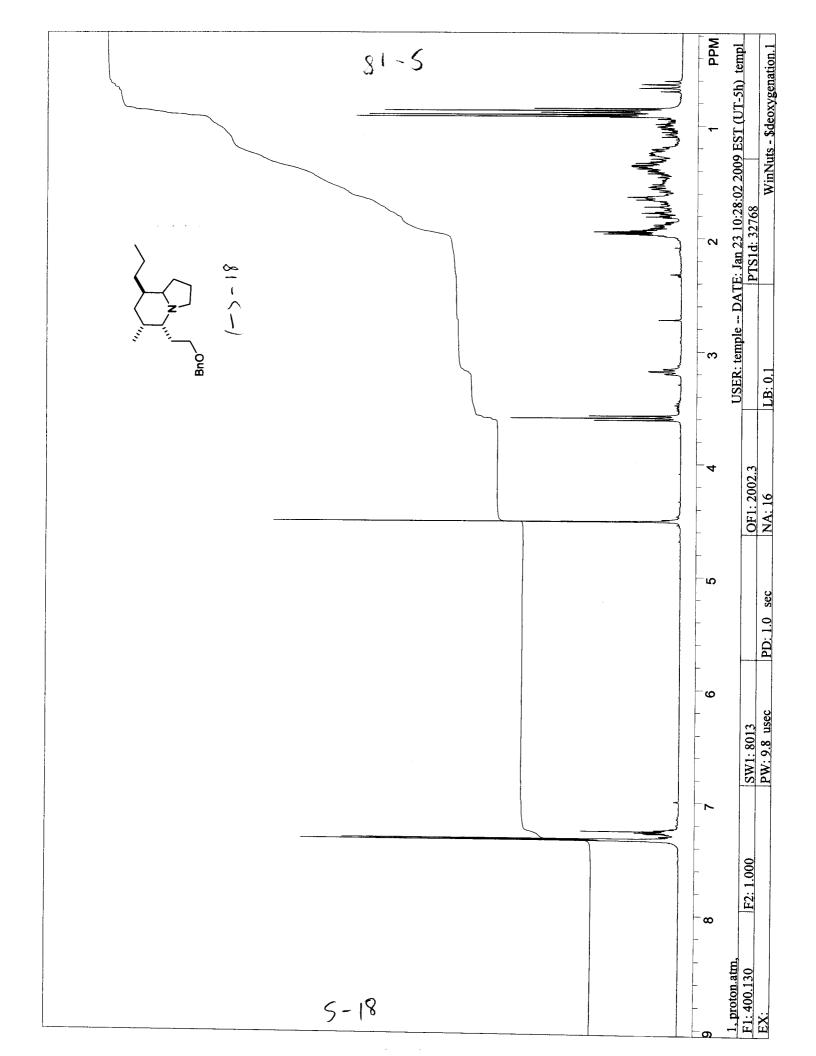


150 100 50 50 SWI - 25126 OFFI - 10875 4	50 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	150 100 50 0 0 NSER: temple DATE: Jul 3 16:43:19 2007 EDT (UT-4h) to SW1: 25126 OF1: 10875.4 PTS14: 65536
SW1: 25126	SWI: 25126 OFI: 10875.4	SWI: 25126 OFI: 10875.4
	13W 1. 23120	3W1: 23120
1 1 1 100 2 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

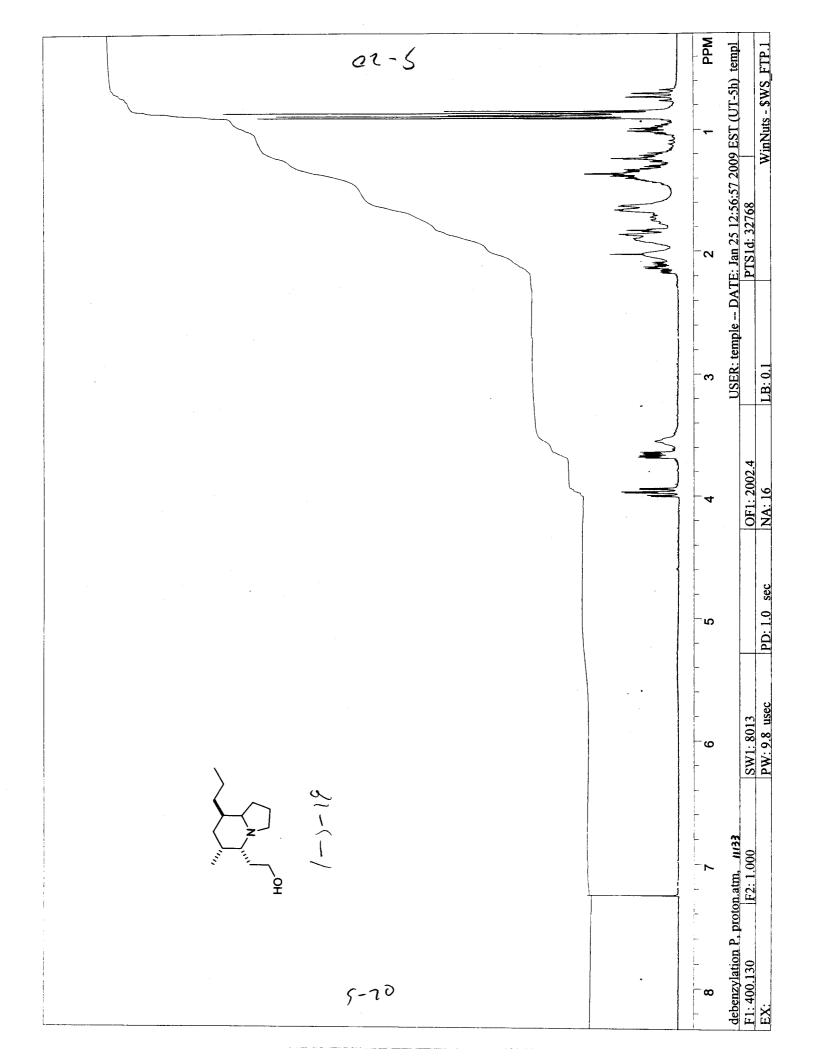


	31-5	Wdd	Sh) templ
0=		0	USER: root DATE: Mar 23 09:55:58 2007 EST (UT-5h) templ PTS1d: 65536 WinNuts - \$WS FTP.1
BnO N O N O N O N O N O N O N O N O N O N	<u> </u>		- DATE: Mar 23 09:55 PTS1d: 65536
		20	USER: root -
		100	OF1: 10078.8 NA: 1507
			DD: 40 cac
		150	SW1: 25126
			F2: 1.000
	5-15	200	pendant.atm, F1: 100.628





		61-5	₩ d d	h) templ
N. I.I.I.	8/- (-)	_	50	USER: temple DATE: Jun 20 13:30:50 2007 EDT (UT-4h) templ PTS1d: 65536
			100	OF1: 10808.1
			150	SW1: 25126
		5-19	-	MS-III-89A, pendant90MIN atm, F1: 100.629 F2: 1.000



	12-5	PPM	templ) templ
8) - (-		20	USER: temple DATE: Jul 14 16:46:04 2007 EDT (UT-4h) temple PTS1d: 65536 Winduts ewy FTP 1
HO .		40	le DATE: Jul 14 16:46 PTS1d: 65536
		09	USER: temp
			OF1: 10854.4
		100	SW1: 25126
		120	ant90MIN.atm, F2: 1.000
	5-21	140	MS-III-106B, pendant90MIN.atm, F1: 100.629 F2: 1.000

