

Terms & Conditions

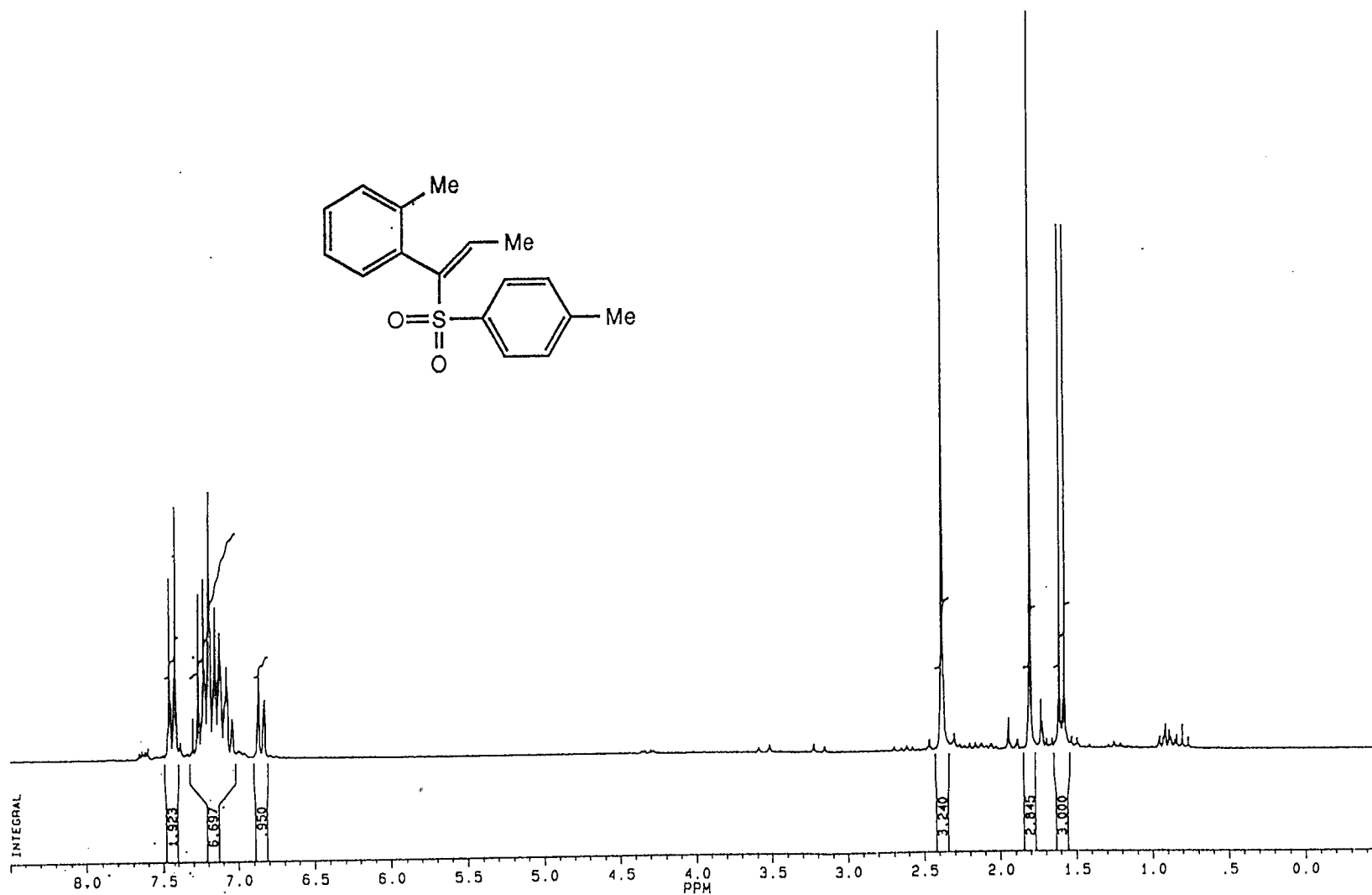
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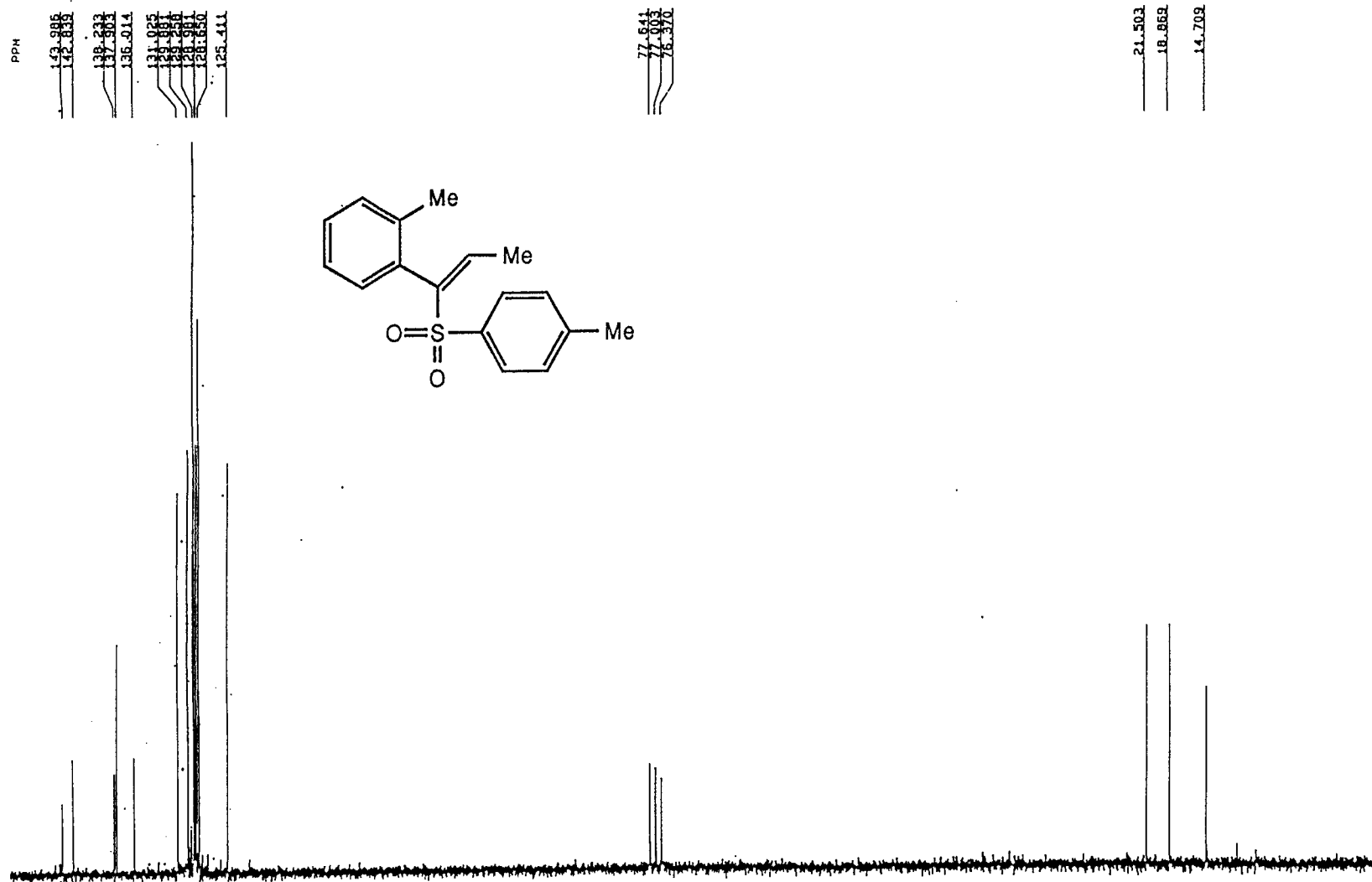
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200 MHz ¹H NMR of *p*-Tolyl 1-*o*-Tolylpropenyl Sulfone (236)

42

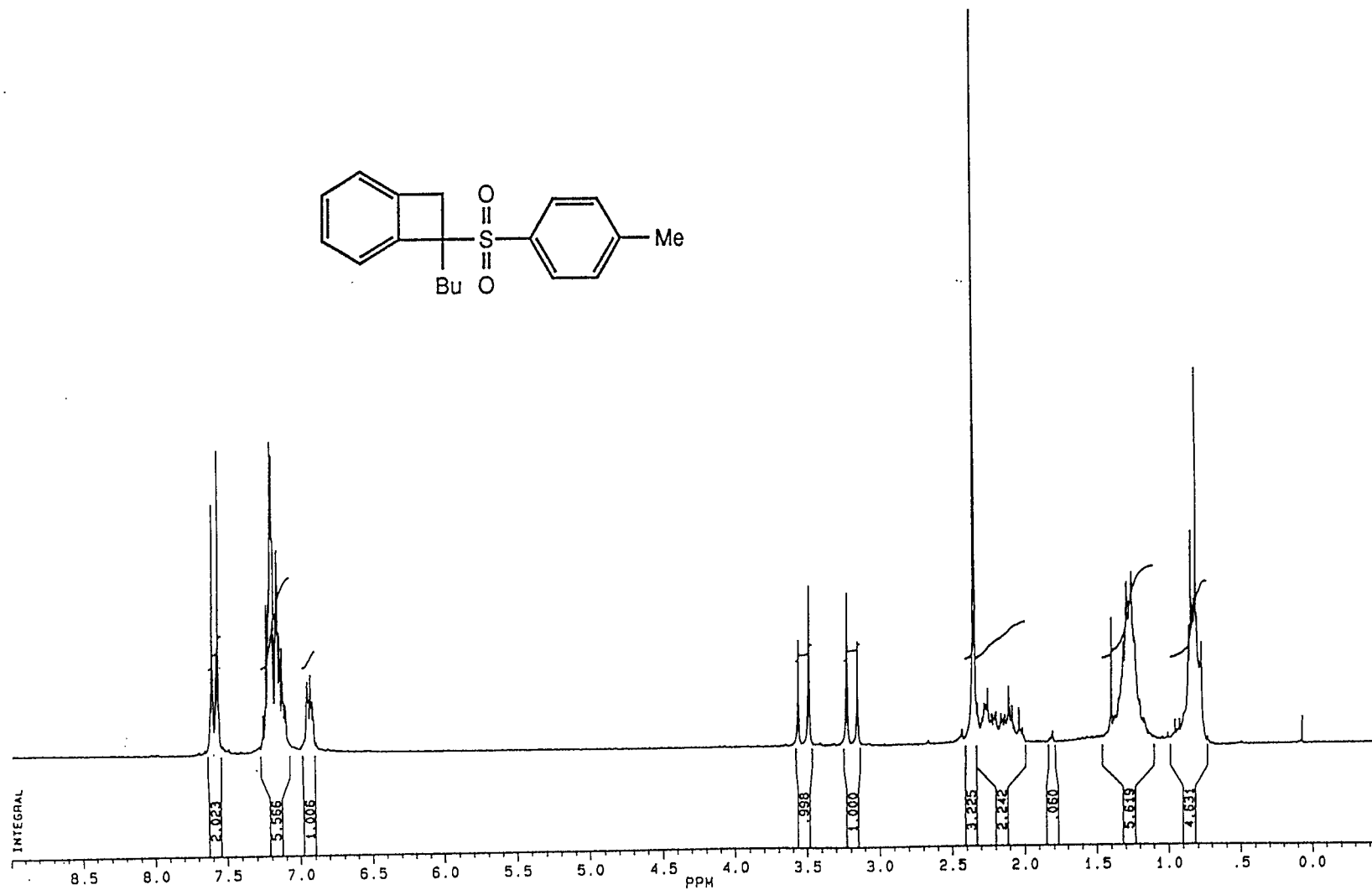
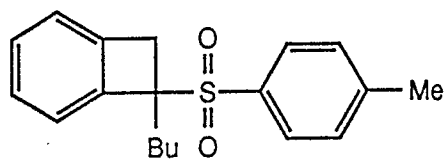


50 MHz ^{13}C NMR of *p*-Tolyl 1-*o*-Tolylpropenyl Sulfone (23A).

322

42

43

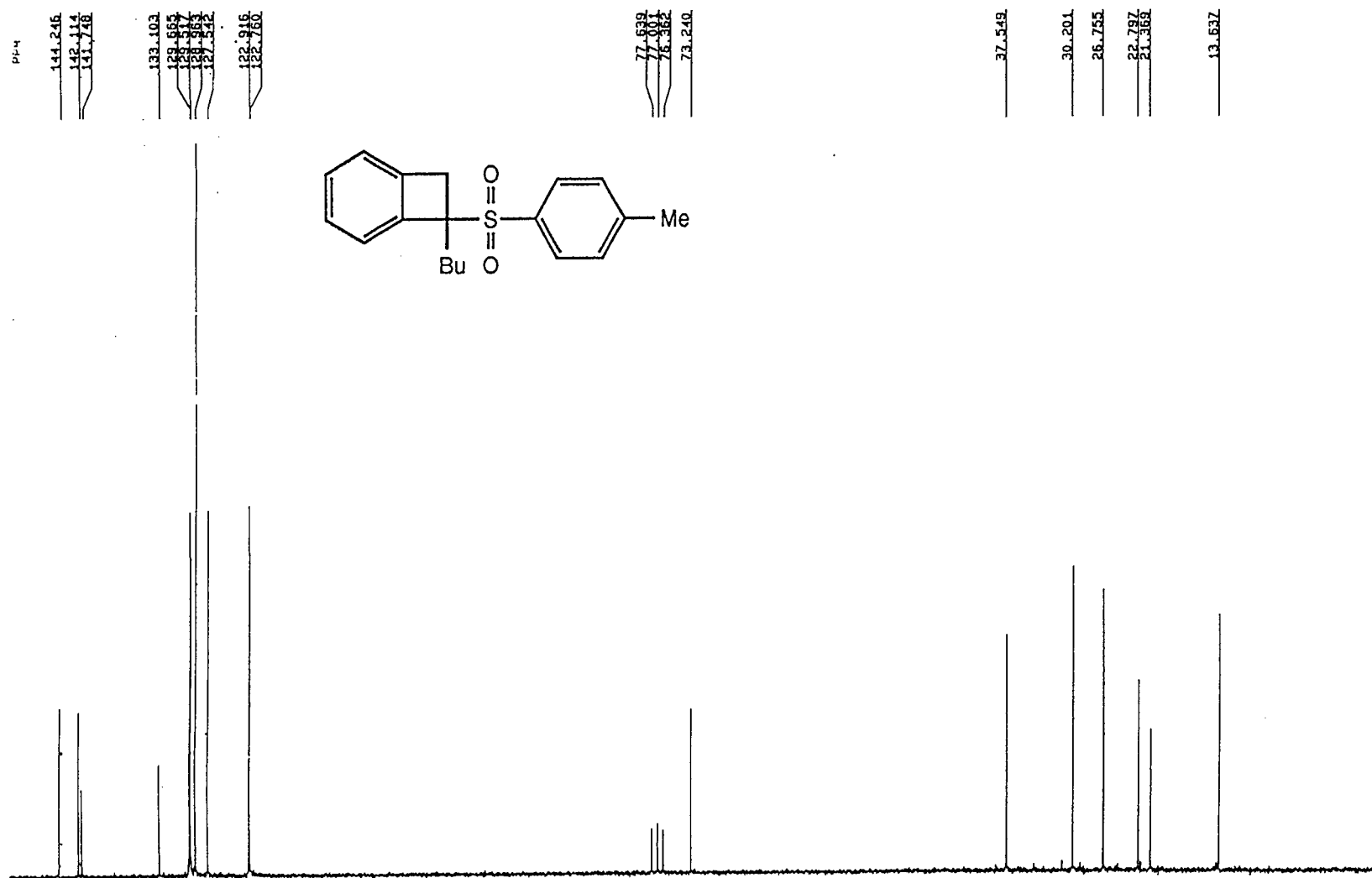


200 MHz ^1H NMR of 7-Butyl-7-(*p*-Tolylsulfonyl)bicyclo[4.2.0]octa-1,3,5-triene (2/c).

323

43

44

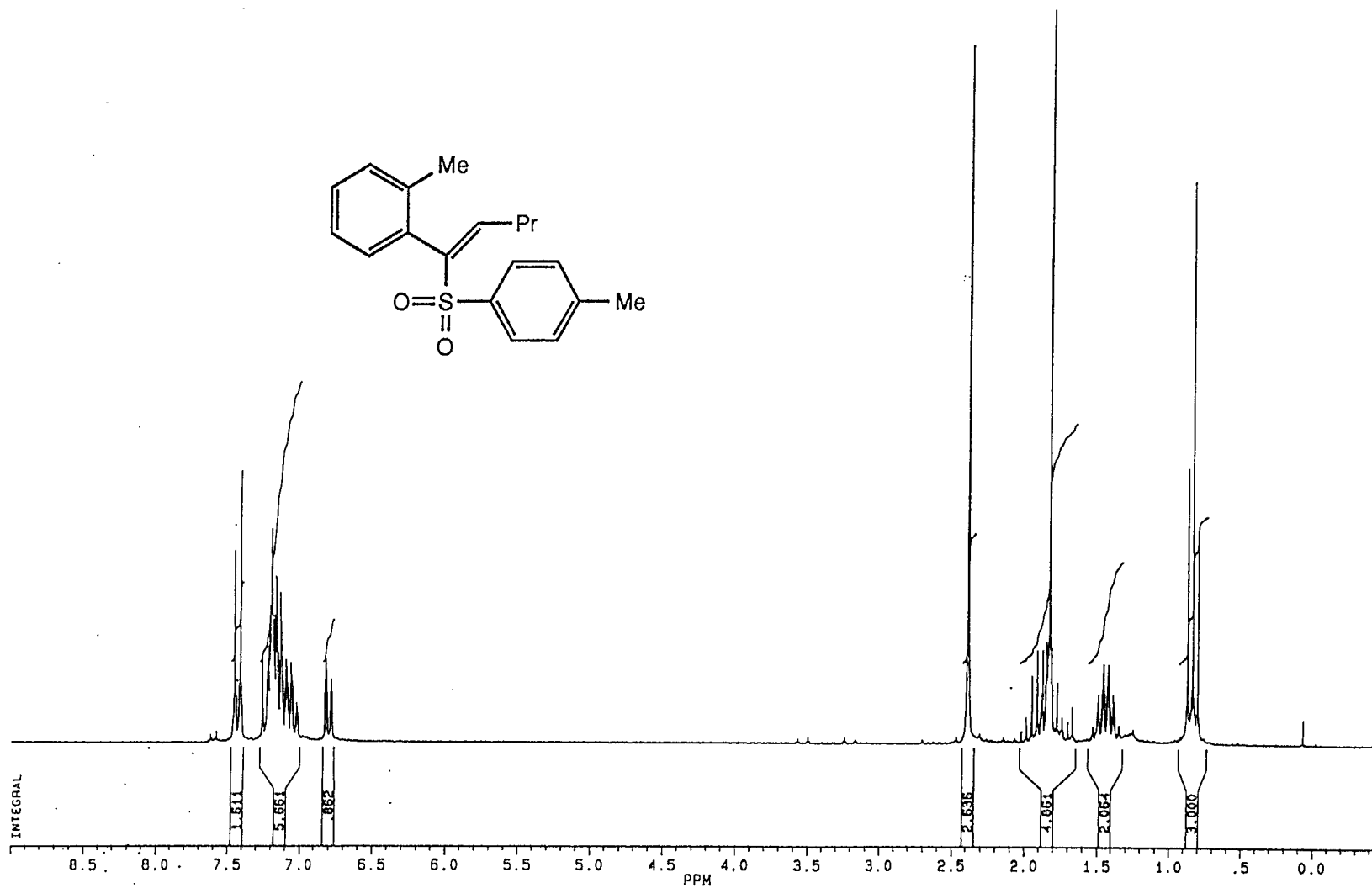
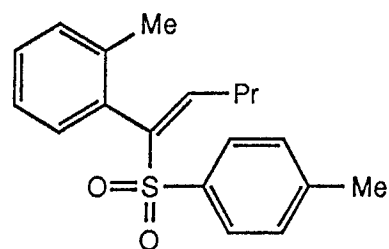


50 MHz ^{13}C NMR of 7-Butyl-7-(p-tolylsulfonyl)bicyclo[4.2.0]octa-1,3,5-triene (21c).

324

44

45



200 MHz ^1H NMR of *p*-Tolyl 1-*o*-Tolyl-1-pentenyl Sulfone (**23c**).

325

45

46

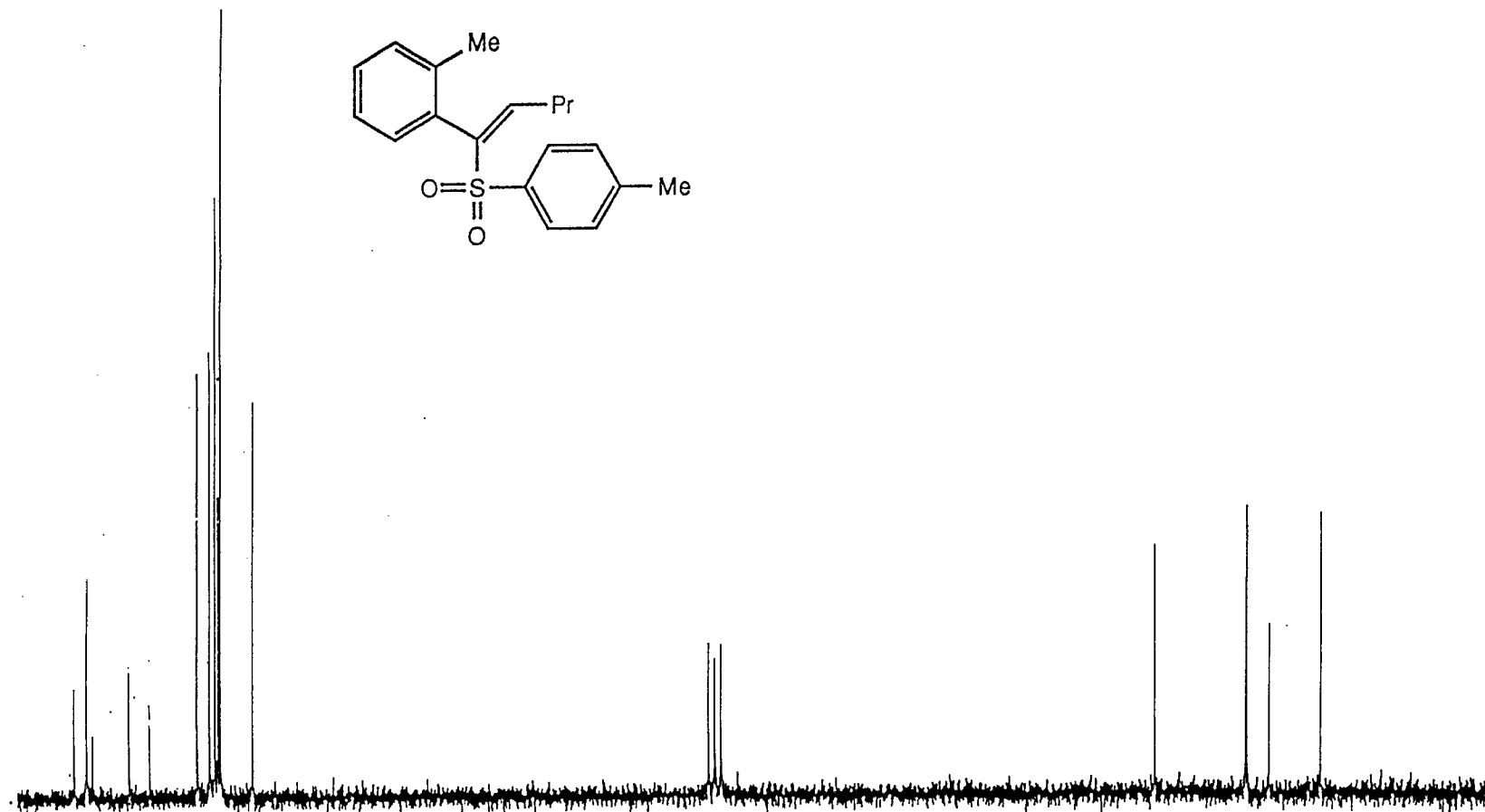
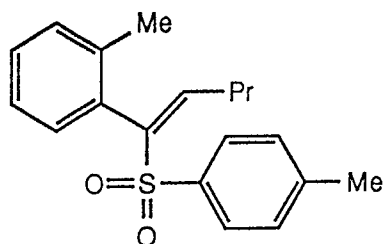
PPH
143.866
143.856
142.879
142.857
138.283
136.152
131.214
129.897
129.289
128.942
128.701
125.323

77.541
77.009
76.373

31.028

21.535
21.382
19.078

13.724

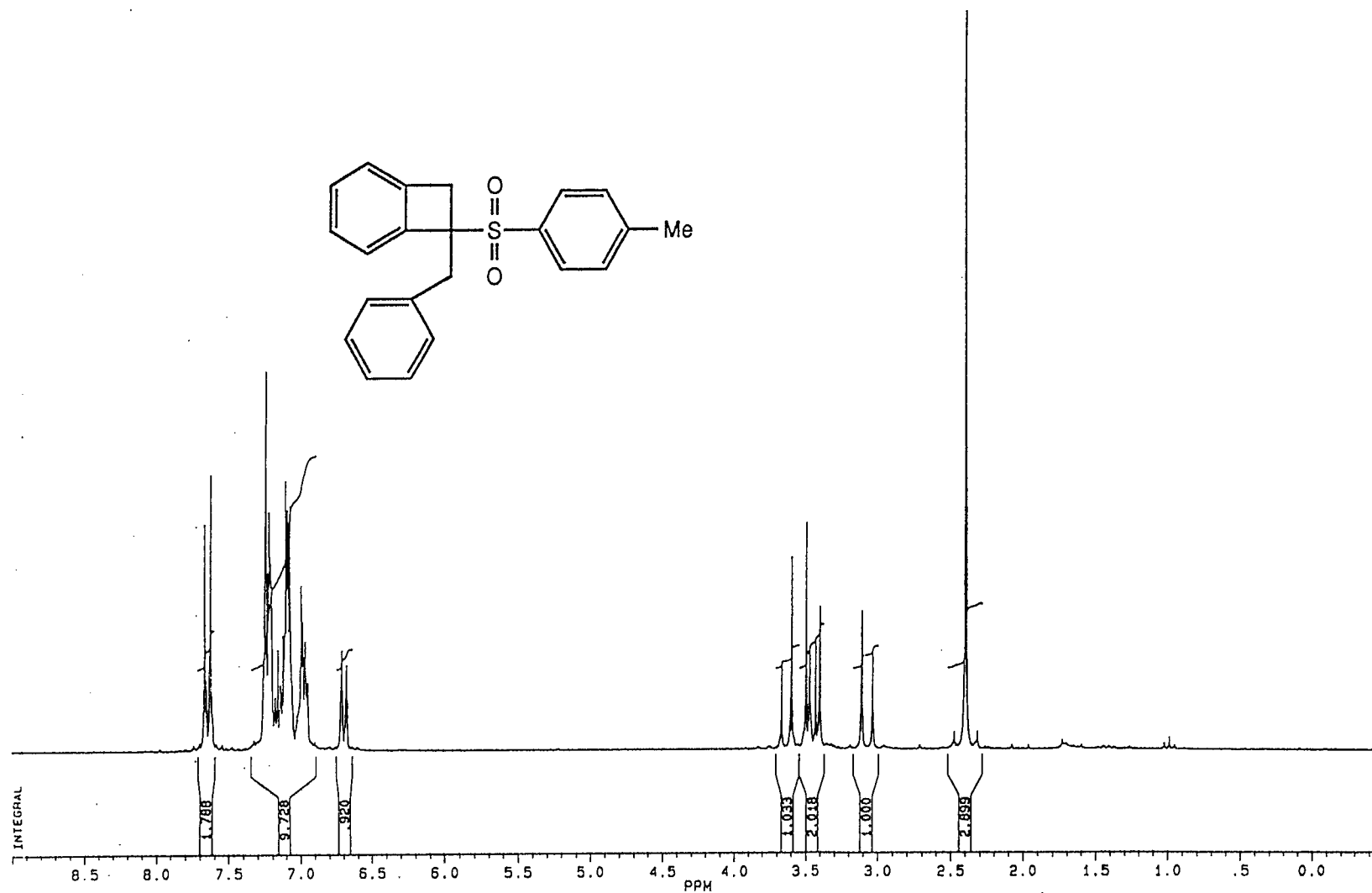


50 MHz ^{13}C NMR of *p*-Tolyl 1-*o*-Tolyl-1-pentenyl Sulfone (23c).

326

46

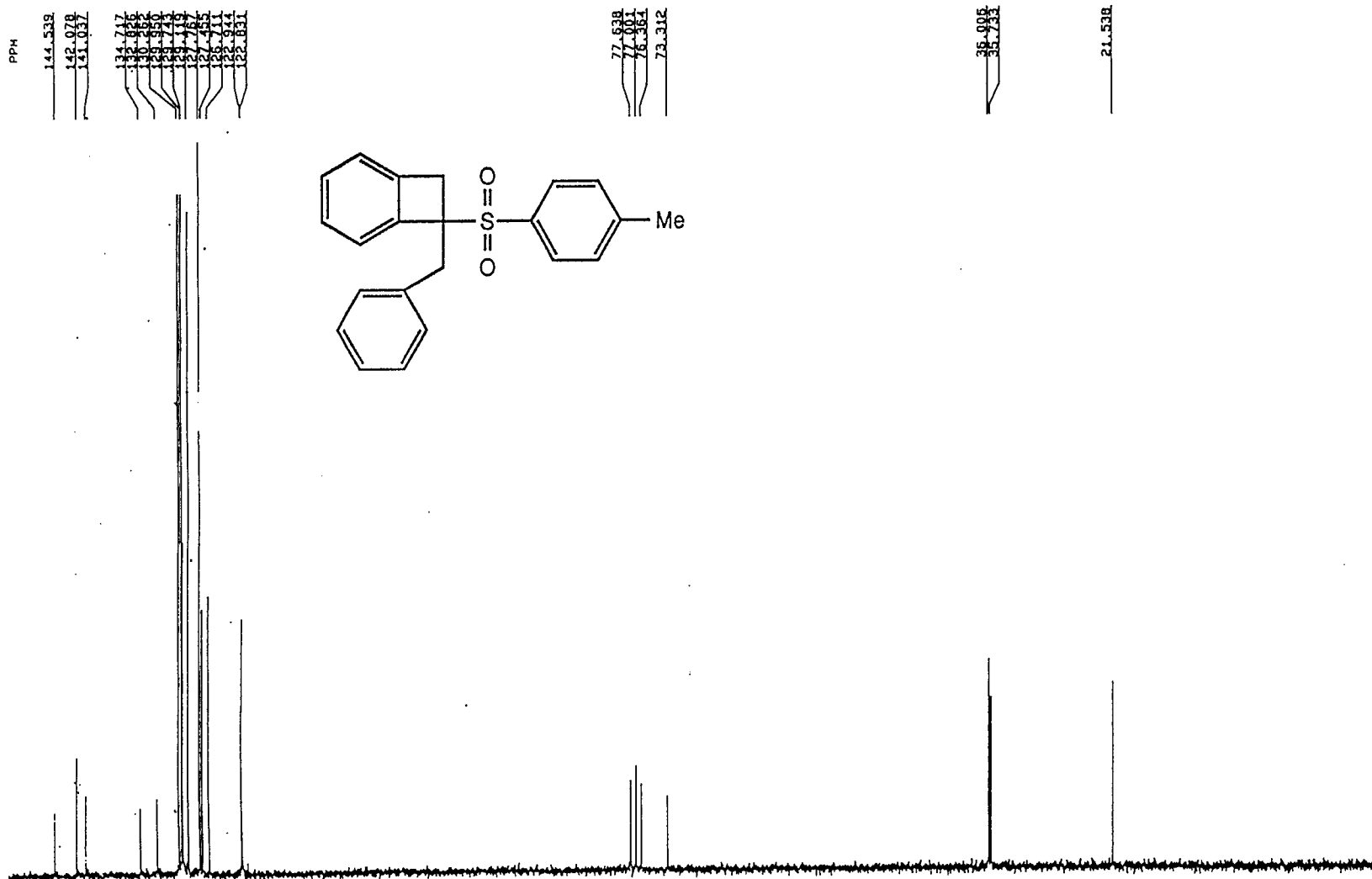
47



200 MHz ^1H NMR of 7-Benzyl-7-(p-tolylsulfonyl)bicyclo[4.2.0]octa-1,3,5-triene (2/d).

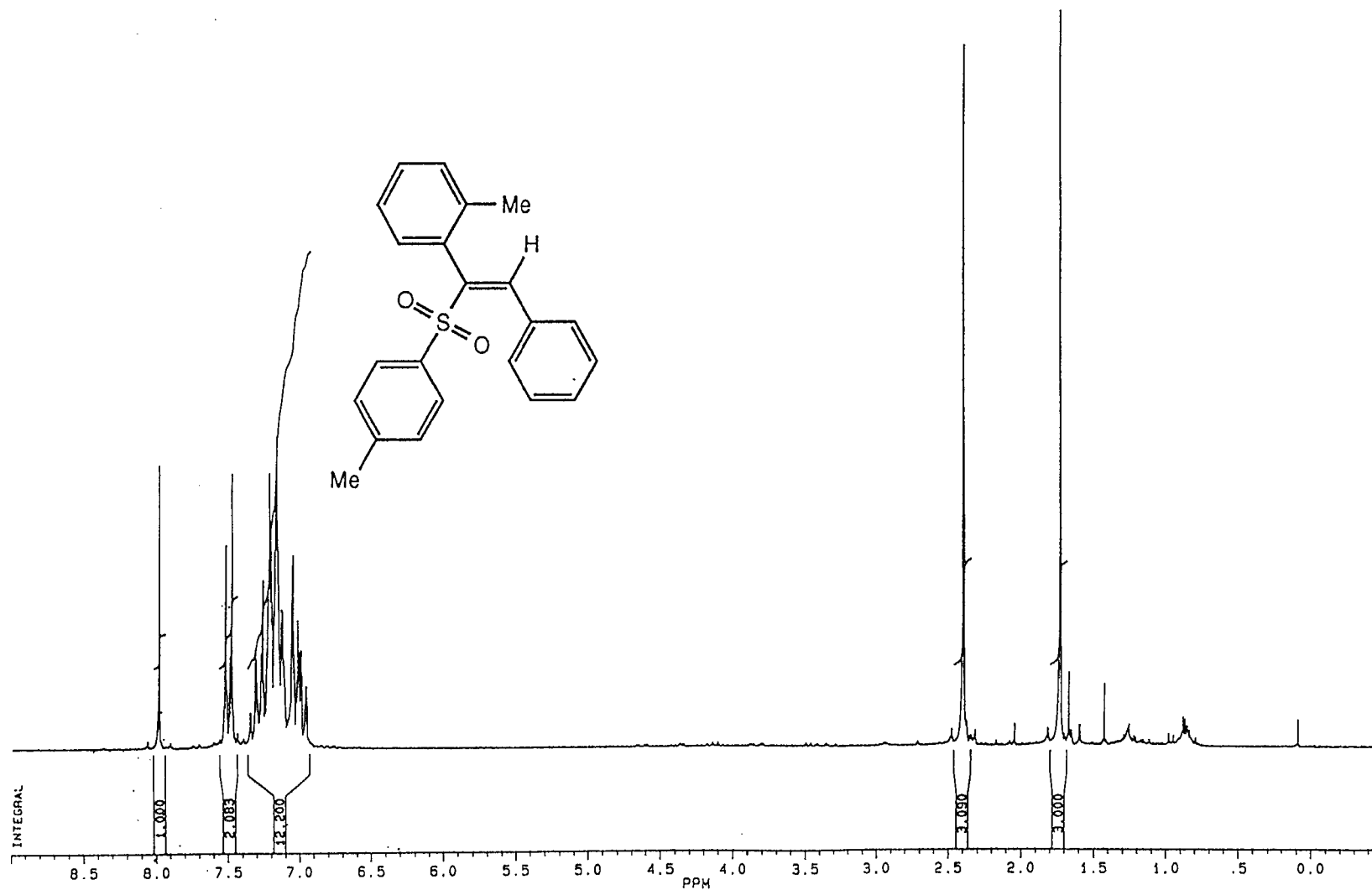
327

47



50 MHz ^{13}C NMR of 7-Benzyl-7-(p-tolylsulfonyl)bicyclo[4.2.0]octa-1,3,5-triene (21d).

49

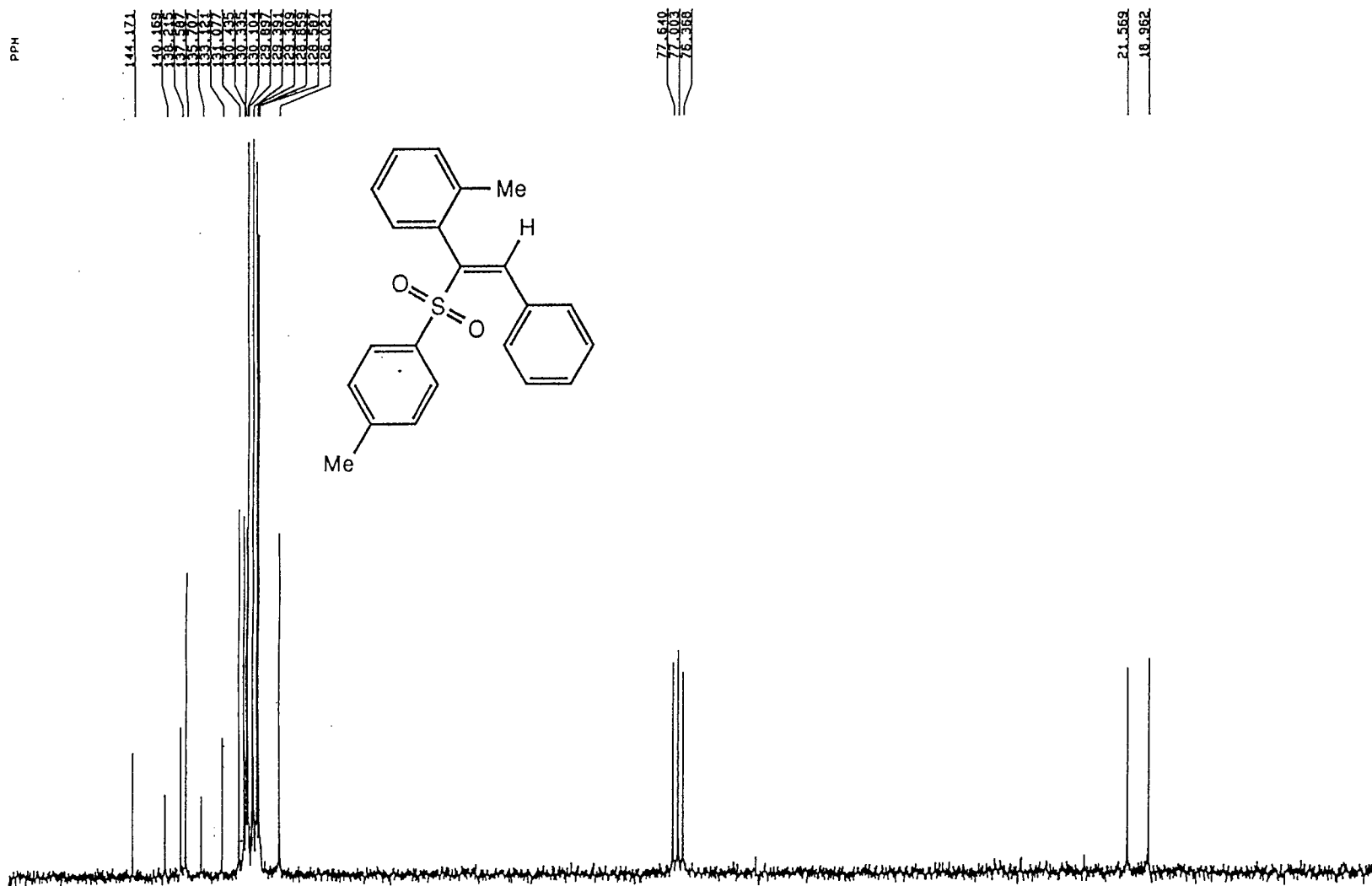


200 MHz ${}^1\text{H}$ NMR of 2-Methyl- α -(*p*-tolylsulfonyl)stilbene (23d).

329

49

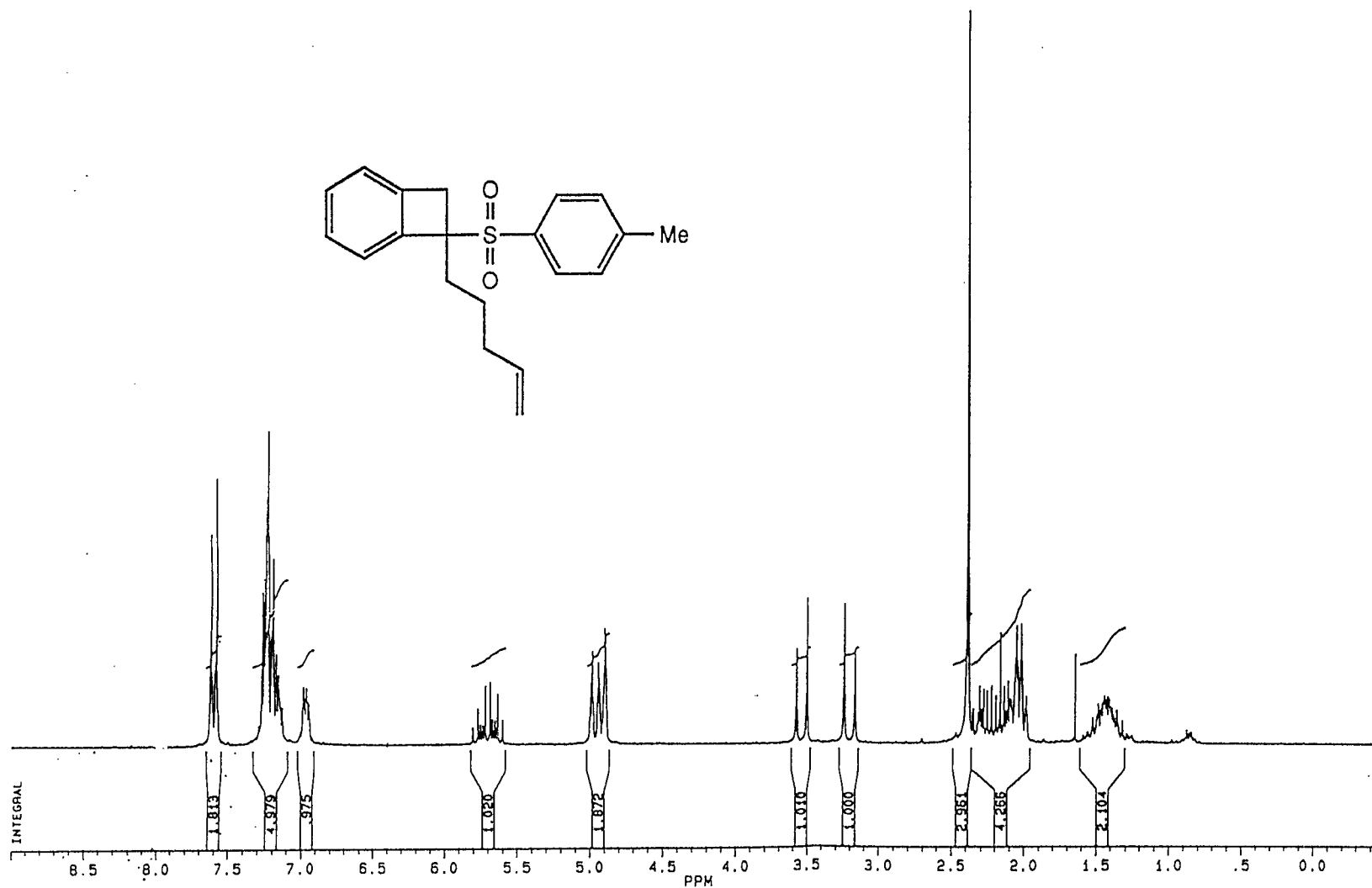
50



50 MHz ^{13}C NMR of 2-Methyl- α -(*p*-tolylsulfonyl)stilbene (2d).

330

50



200 MHz ^1H NMR of 7-(4-Pentenyl)-7-(*p*-tolylsulfonyl)bicyclo[4.2.0]octa-1,3,5-triene (21c).

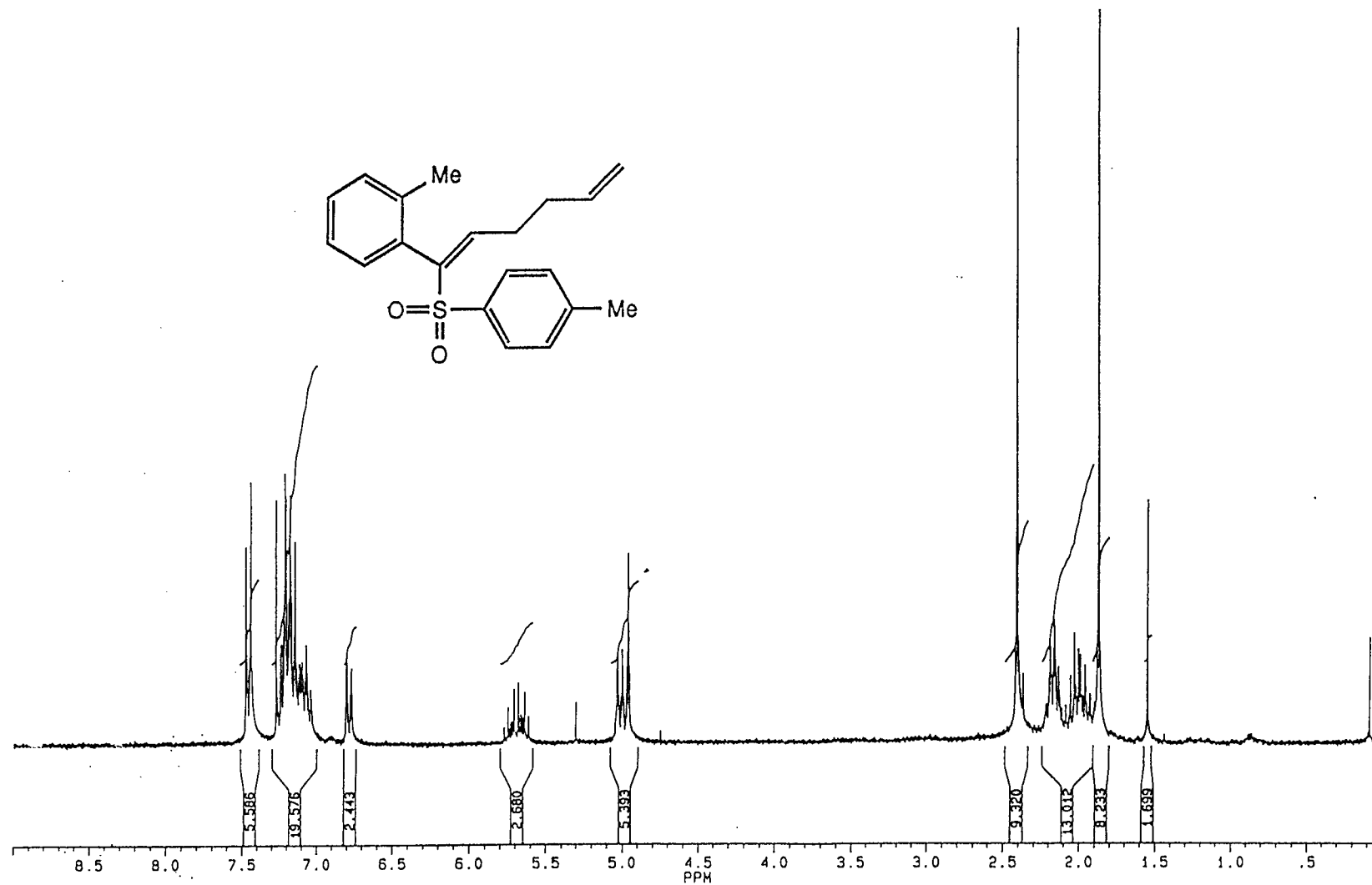
52



50 MHz ^{13}C NMR of 7-(4-Pentenyl-7-(p-tolylsulfonyl)bicyclo[4.2.0]octa-1,3,5-triene (21p).

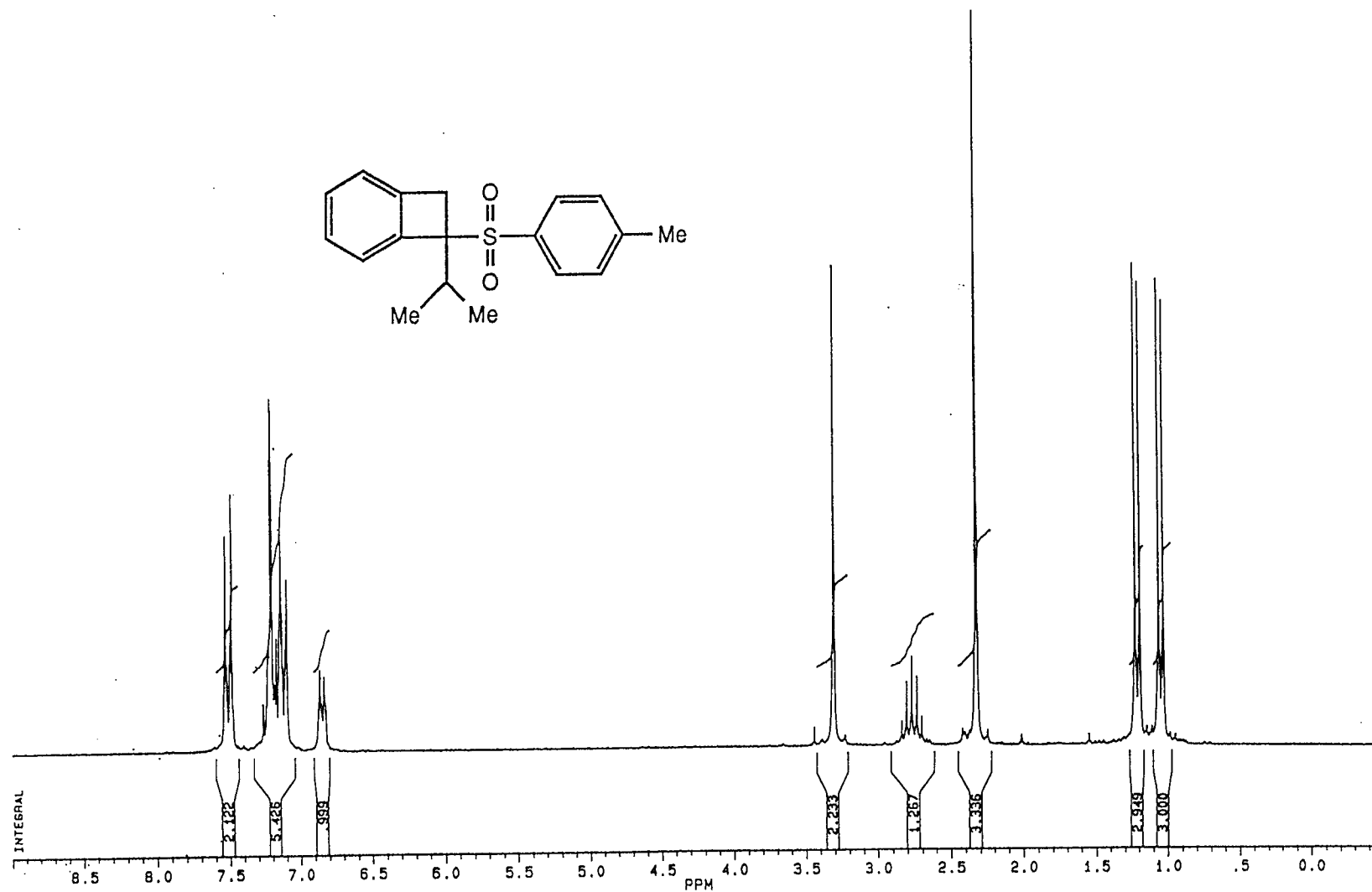
332

52



250 MHz ¹H NMR of *p*-Tolyl 1-*o*-Tolyl-1,5-hexadienyl Sulfone (**23c**).

54

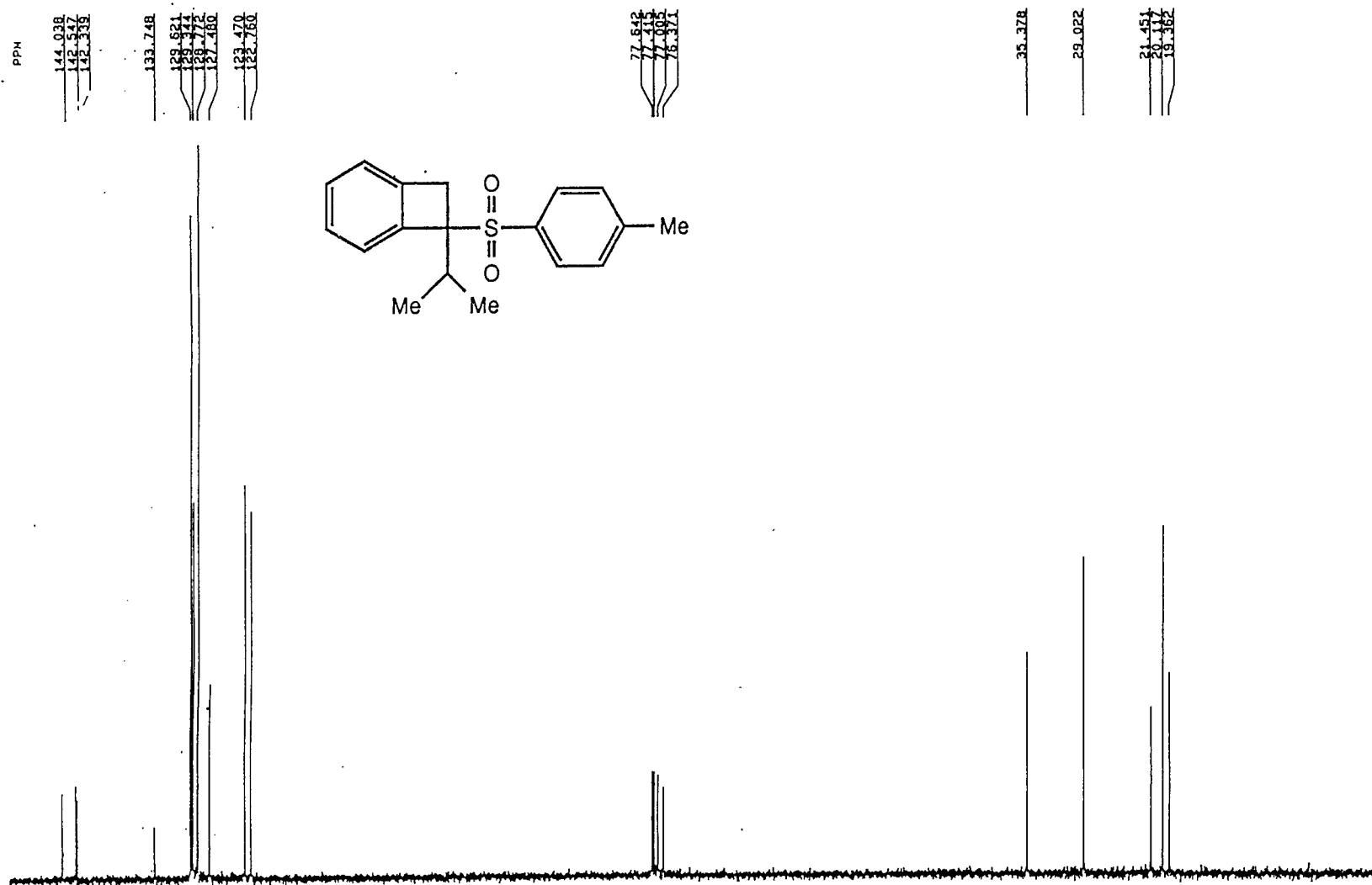


200 MHz ^1H NMR of 7-Isopropyl-7-(p-tolylsulfonyl)bicyclo[4.2.0]octa-1,3,5-triene (248).

334

54

55

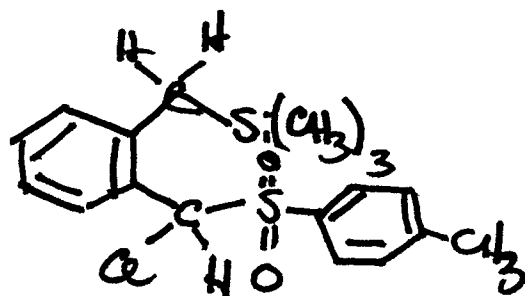


50 MHz ^{13}C NMR of 7-Isopropyl-7-(*p*-tolylsulfonyl)bicyclo[4.2.0]octa-1,3,5-triene (218).

335

55

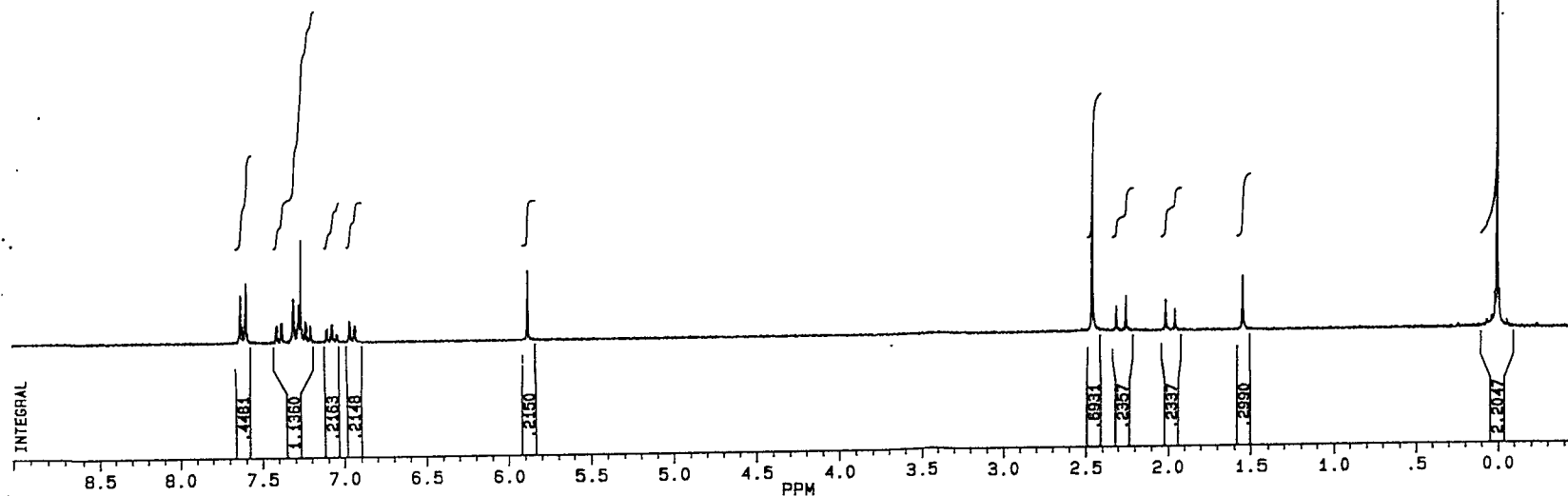
250 MHz ^1H NMR of [O-[Chloro(p-tolylsulfonyl)methyl]benzyl]trimethylsilane (26).



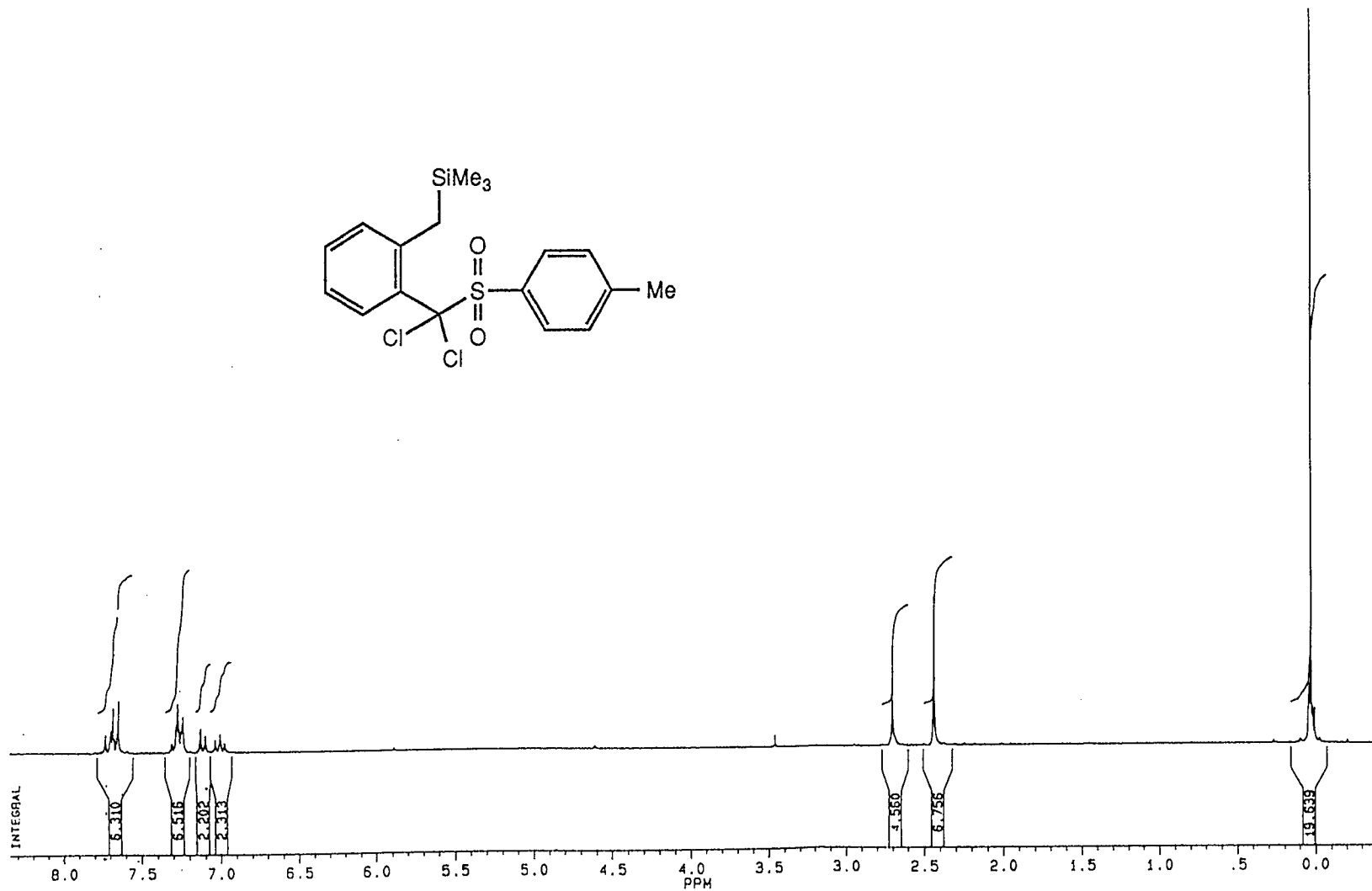
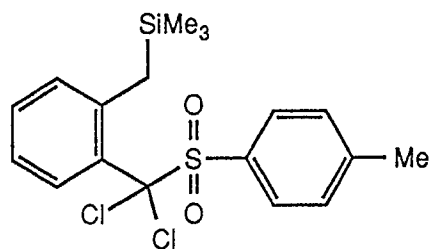
[O-[Chloro(p-tolylsulfonyl)methyl]benzyl]trimethylsilane (26)

~~BRUKER~~

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SY	83.0
O1	4100.000
SI	32768
TD	32768
SW	3496.503
HZ/PT	.213
PW	5.2
RD	0.0
AQ	4.686
RG	64
NS	26
TE	303
FW	4400
O2	50000.000
DP	63L P0
LB	0.0
GB	0.0
CX	34.00
CY	18.00
F1	9.000P
F2	-1.500P
HZ/CM	69.892
PPM/CM	.279
SR	2853.27



57

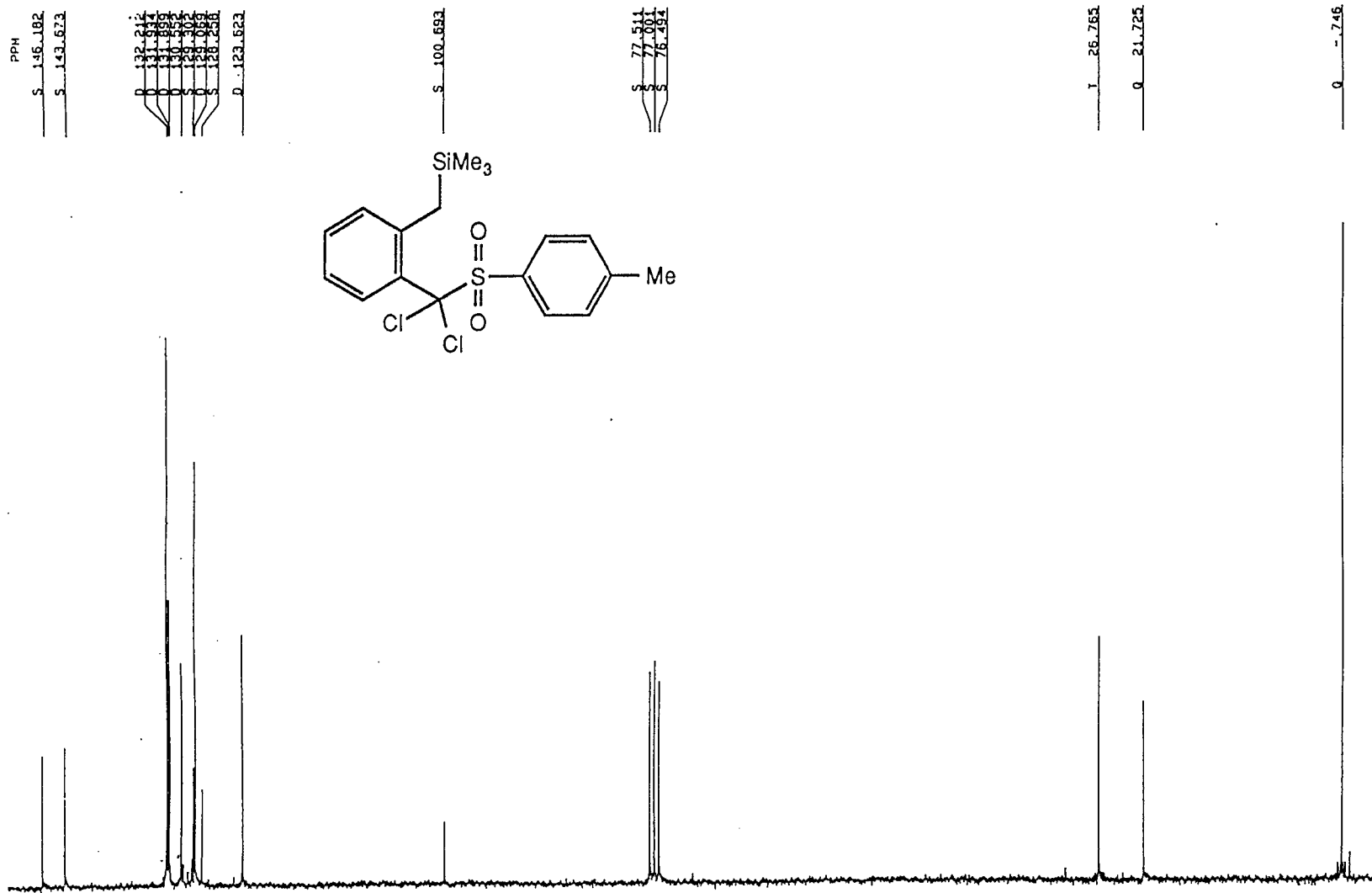


.250 MHz ^1H NMR of [*o*-[Dichloro(*p*-tolylsulfonyl)methyl]benzyl]trimethylsilane (**27**).

336

57

58

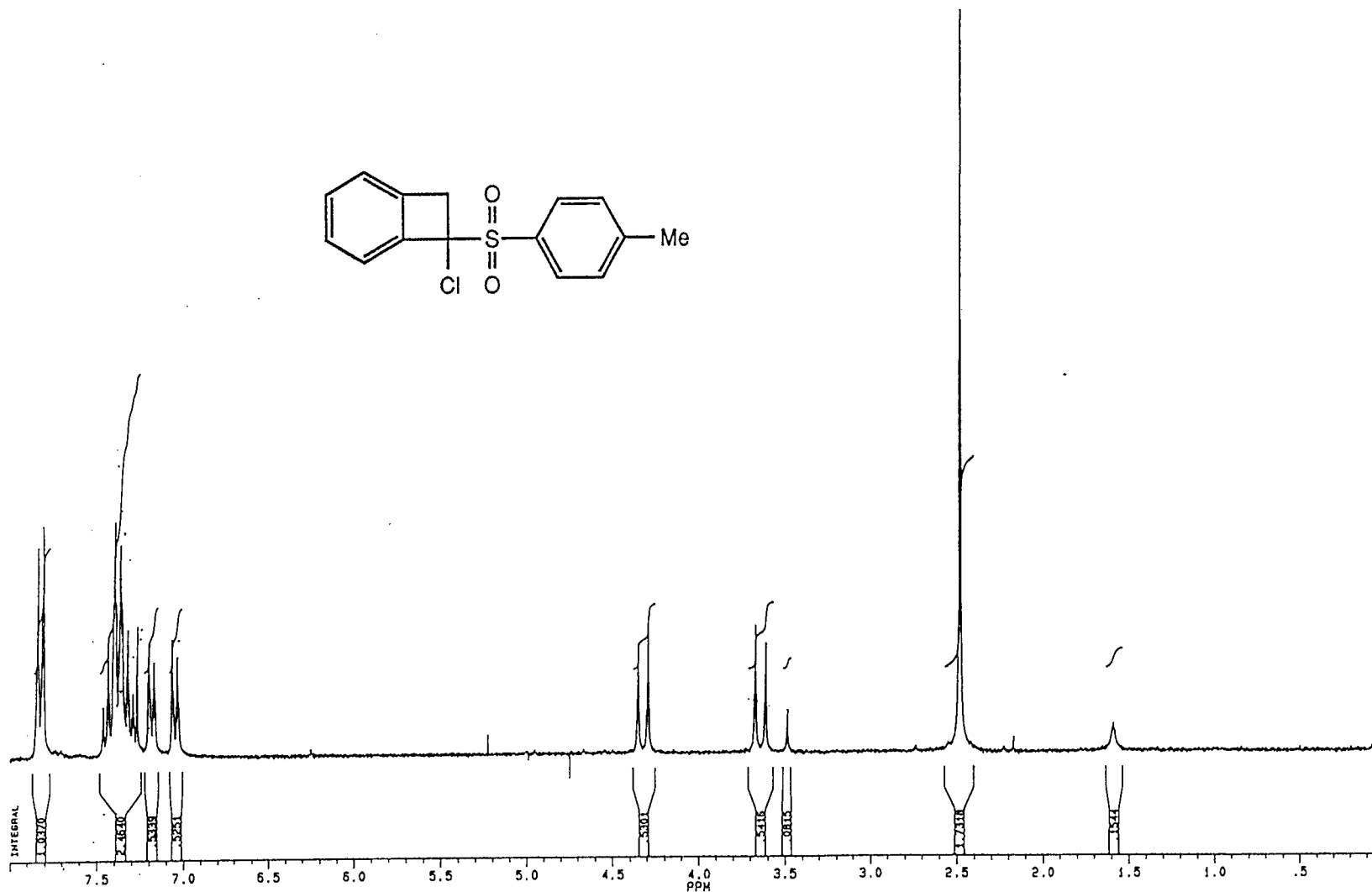
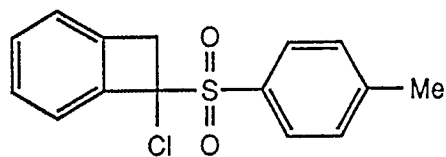


63 MHz ^{13}C NMR of [*o*-[Dichloro(*p*-tolylsulfonyl)methyl]benzyl]trimethylsilane (**27**).

337

58

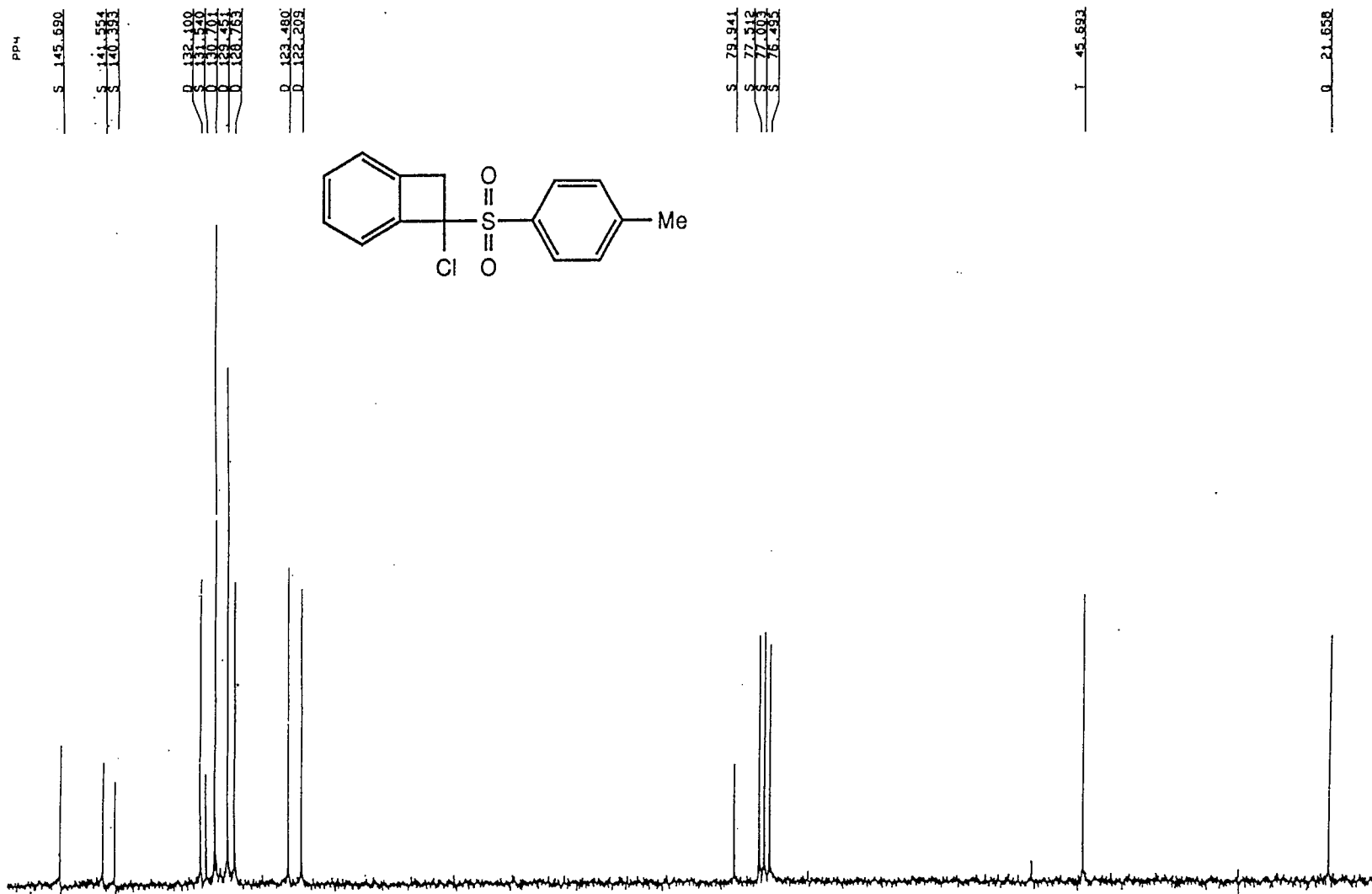
59



250 MHz ^1H NMR of 7-Chloro-7-(*p*-tolylsulfonyl)bicyclo[4.2.0]octa-1,3,5-triene (28)

338

59



63 MHz ^{13}C NMR of 7-Chloro-7-(*p*-tolylsulfonyl)bicyclo[4.2.0]octa-1,3,5-triene (28).