JOC The Journal of Organic Chemistry

J. Org. Chem., 1996, 61(15), 4929-4932, DOI:10.1021/jo960327b

Terms & Conditions

Electronic Supporting Information files are available without a subscription to ACS Web Editions. The American Chemical Society holds a copyright ownership interest in any copyrightable Supporting Information. Files available from the ACS website may be downloaded for personal use only. Users are not otherwise permitted to reproduce, republish, redistribute, or sell any Supporting Information from the ACS website, either in whole or in part, in either machine-readable form or any other form without permission from the American Chemical Society. For permission to reproduce, republish and redistribute this material, requesters must process their own requests via the RightsLink permission system. Information about how to use the RightsLink permission system can be found at http://pubs.acs.org/page/copyright/permissions.html

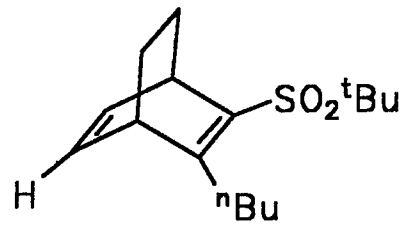


ACS Publications

MOST TRUSTED. MOST CITED. MOST READ.

Copyright © 1996 American Chemical Society

TOC-BU-1 IN CDCL3 OHLBACH



BRUKER

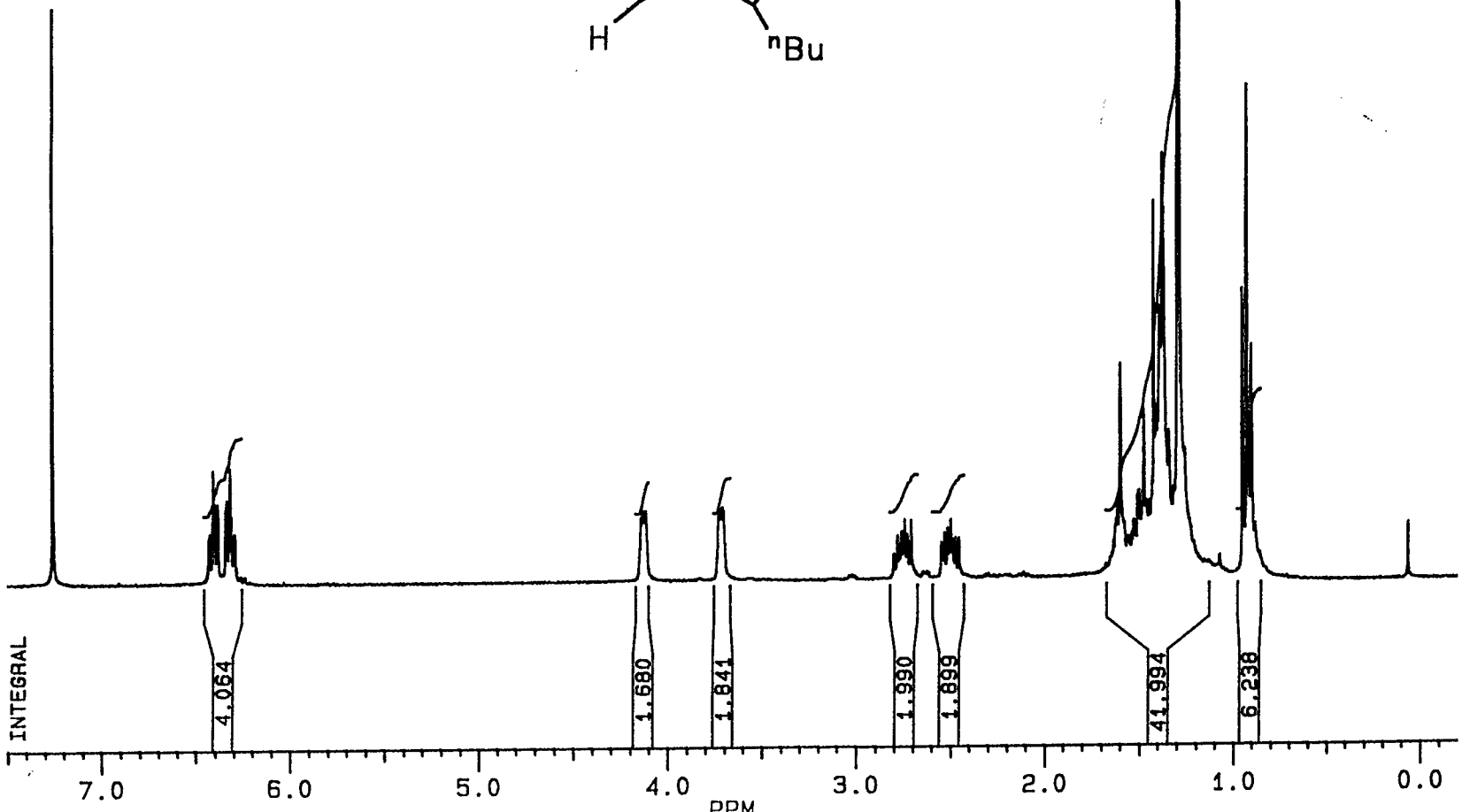
OB.011
DATE 1-12-94

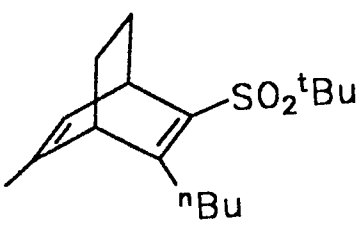
SF 300.133
SY 210.0
O1 5173.000
SI 32768
TD 32768
SW 6024.096
HZ/PT .368

PW 4.0
RD 0.0
AQ 2.720
RG 16
NS 24
TE 297

FW 7600
O2 3200.000
DP 63L PO

LB .300
GB 0.0
CX 22.00
CY 0.0
F1 2251.03H
F2 -58.74H
HZ/CM 104.990
PPM/CM .350
SR 3367.60





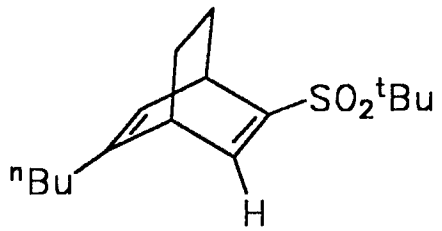
TOC-BU-1 IN CDCL3 OHLBACH

134.804
133.441
77.418
76.994
76.571
44.621
40.779
32.119
30.085
26.098
24.047
23.293
22.987
13.941

OB.010
DATE 1-12-94

SF	75.469
SY	75.0
O1	6141.605
SI	65536
TD	65536
SW	18518.519
HZ/PT	.565
PW	2.5
RD	1.000
AQ	1.769
RG	320
NS	560
TE	297
FW	23200
O2	4588.000
DP	18H CPD
LB	1.000
GB	0.0
CX	22.00
CY	0.0
F1	180.003P
F2	5.096P
HZ/CM	599.999
PPM/CM	7.950
SR	-1404.46

TOC-BU-2 IN CDCL3 OHLBACH



BRUKER

N0231S.113
AU PROG:
X00.AU
DATE 24-11-94

SF 300.133
SY 210.0
O1 5173.724
SI 32768
TD 32768
SW 6024.096
HZ/PT .368

PW 0.0
RD 0.0
AQ 2.720
RG 10
NS 16
TE 297

FW 7600
O2 3200.000
DP 63L PO

LB .100
GB 0.0
CX 22.00
CY 13.00
F1 9.200P
F2 -.800P
HZ/CM 136.427
PPM/CM .455
SR 3367.67

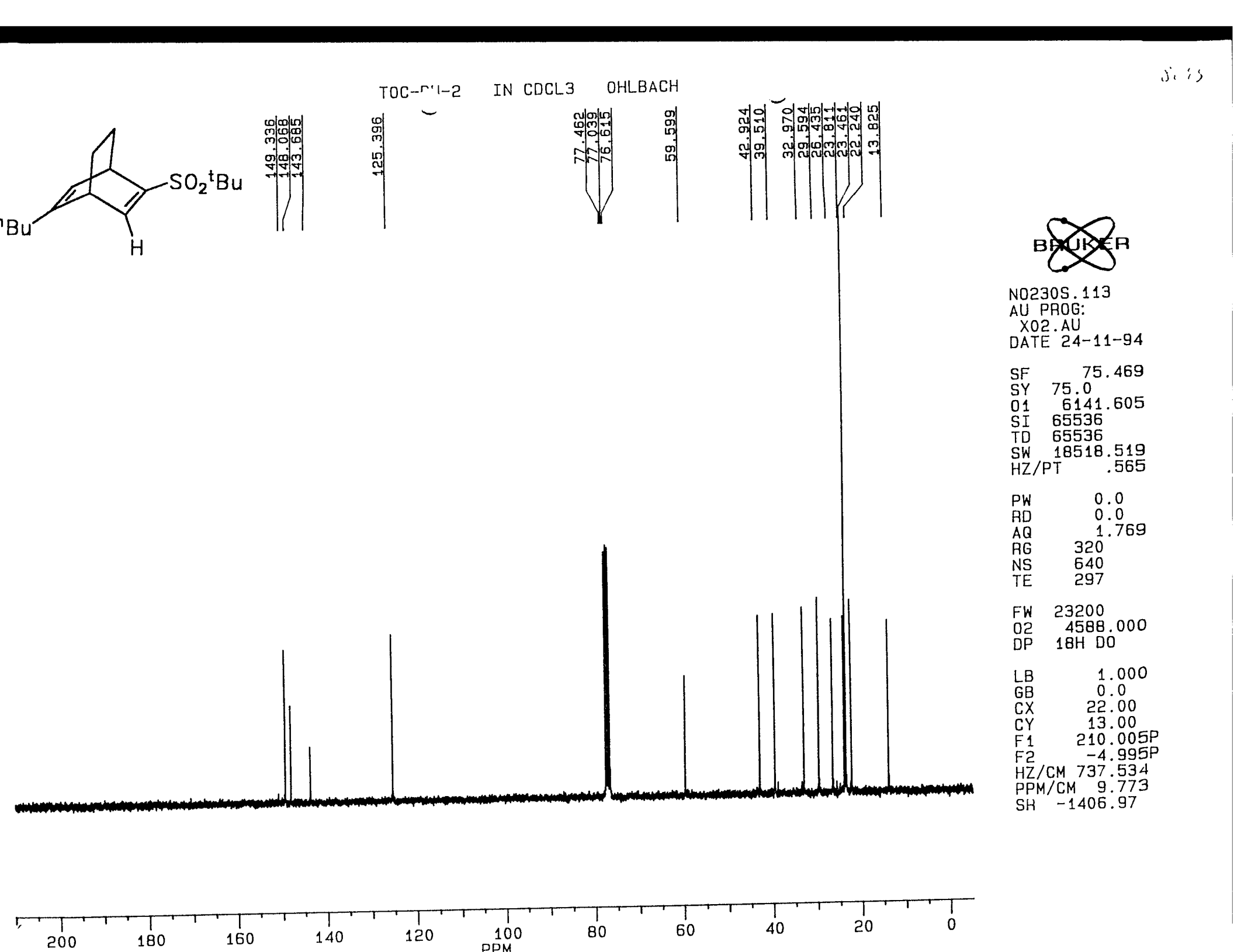
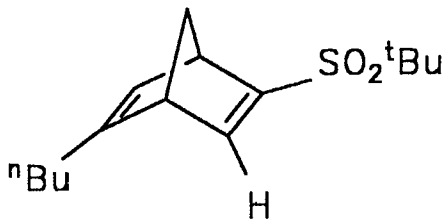

TOC-[illegible]-2 IN CDCL3 OHLBACH
149.336
148.068
143.685
125.396
77.462
77.039
76.615
59.599
42.924
39.510
32.970
29.594
26.435
23.811
23.461
22.240
13.825
SO2tBu
tBu
H
BRUKER
NO230S.113
AU PROG:
X02.AU
DATE 24-11-94
SF 75.469
SY 75.0
O1 6141.605
SI 65536
TD 65536
SW 18518.519
HZ/PT .565
PW 0.0
RD 0.0
AQ 1.769
RG 320
NS 640
TE 297
FW 23200
O2 4588.000
DP 18H DO
LB 1.000
GB 0.0
CX 22.00
CY 13.00
F1 210.005P
F2 -4.995P
HZ/CM 737.534
PPM/CM 9.773
SH -1406.97
200
180
160
140
120
100
80
60
40
20
0
PPM

Fig 4-3

QUAD-BU-3 IN CDCL3 OHLBACH



BRUKER

NO301S.115
AU PROG:
X00.AU
DATE 1-12-94

SF 300.133
SY 210.0
01 5173.724
SI 32768
TD 32768
SW 6024.096
HZ/PT .368

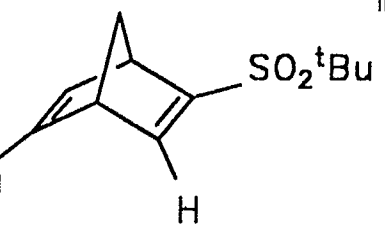
PW 0.0
RD 0.0
AQ 2.720
RG 20
NS 16
TE 297

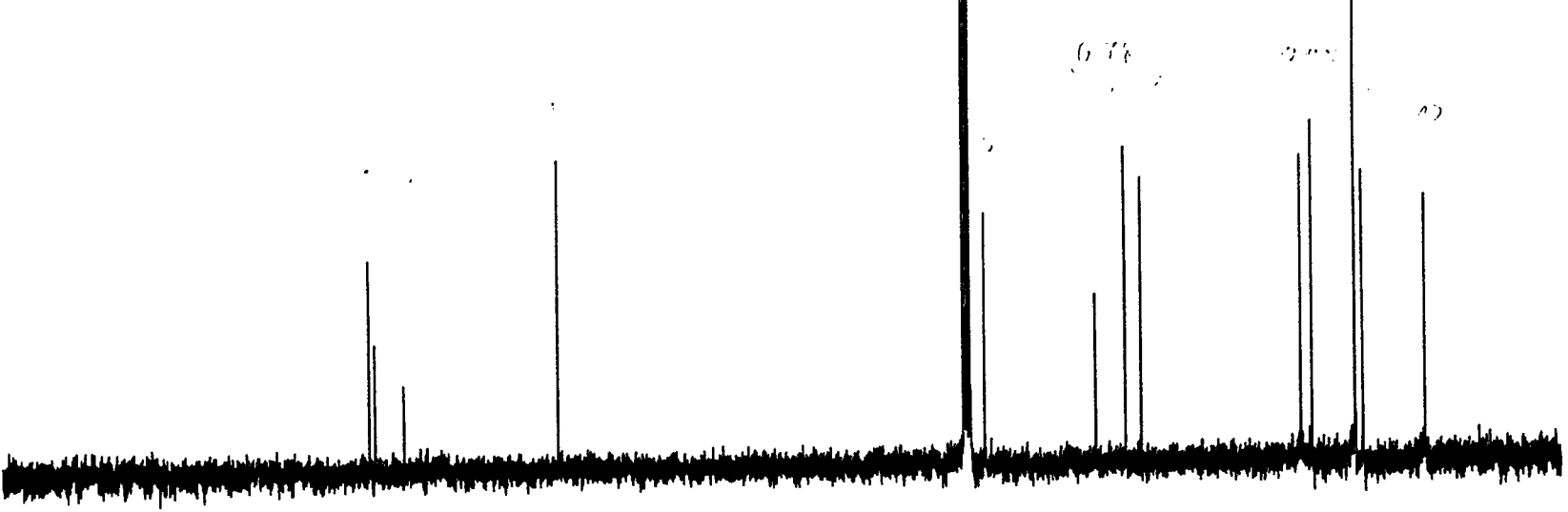
FW 7600
02 3200.000
DP 63L PO

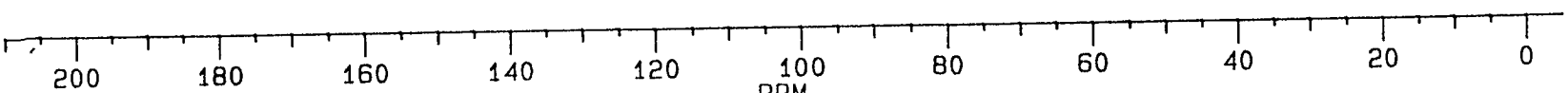
LB .100
GB 0.0
CX 22.00
CY 13.00
F1 9.200P
F2 -.800P
HZ/CM 136.427
PPM/CM .455
SR 3367.67

QUAD-?U-2 IN CDCL3 OHLBACH

159.014
158.235
154.231
132.993
77.450
77.027
76.603
74.539
59.321
55.212
53.043
30.935
29.370
23.396
22.392
13.825





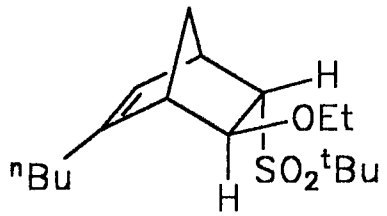


BRUKER

N0300S.115
AU PROG:
X02.AU
DATE 1-12-94

SF	75.469
SY	75.0
O1	6141.605
SI	65536
TD	65536
SW	18518.519
HZ/PT	.565
PW	0.0
RD	0.0
AQ	1.769
RG	400
NS	400
TE	297
FW	23200
O2	4588.000
DP	18H DO
LB	1.000
GB	0.0
CX	22.00
CY	13.00
F1	210.005P
F2	-4.995P
HZ/CM	737.534
PPM/CM	9.773
SR	-1406.97

QUAD-BU-2

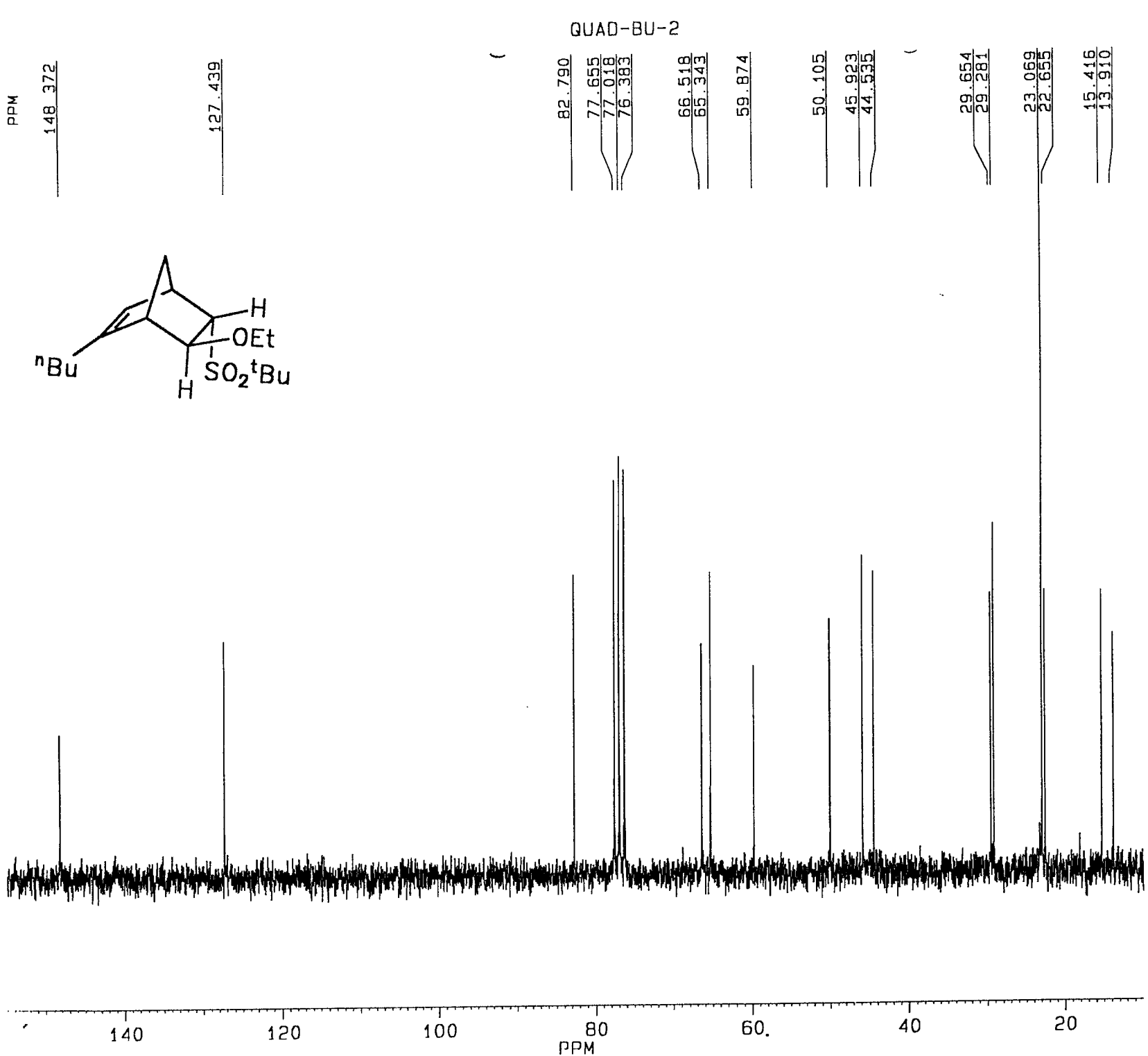


BRUKER

ROLF.320
DATE 16-12-94
TIME 16:49

SF	200.132
SY	80.0
O1	3400.000
SI	32768
TD	32768
SW	2994.012
HZ/PT	.183
PW	2.5
RD	0.0
AQ	5.472
RG	4
NS	24
TE	297
FW	3800
O2	0.0
DP	63L PO
LB	0.0
GB	0.0
CX	22.00
CY	0.0
F1	7.500P
F2	.500P
HZ/CM	63.677
PPM/CM	.318
SR	2340.84

QUAD-BU-2

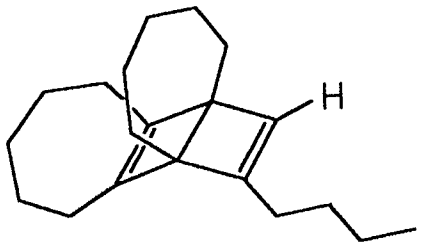


BRUKER

ROLF.325
DATE 16-12-94
TIME 16:59

SF	50.323
SY	50.0
O1	8396.387
SI	32768
TD	32768
SW	11111.111
HZ/PT	.678
PW	2.4
RD	1.000
AQ	1.475
RG	200
NS	246
TE	297
FW	13900
O2	3400.000
DP	21H CPD
LB	1.000
GB	0.0
CX	22.00
CY	0.0
F1	155.000P
F2	10.010P
HZ/CM	331.655
PPM/CM	6.590
SR	3317.74

5D-H-BUTYL



BRUKER

ROLF.310
DATE 22-10-94

SF 200.132
SY 80.0
01 3400.000
SI 32768
TD 32768
SW 2994.012
HZ/PT .183

PW 2.5
RD 0.0
AQ 5.472
RG 2
NS 24
TE 297

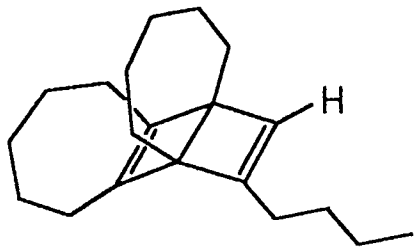
FW 3800
02 0.0
DP 63L PO

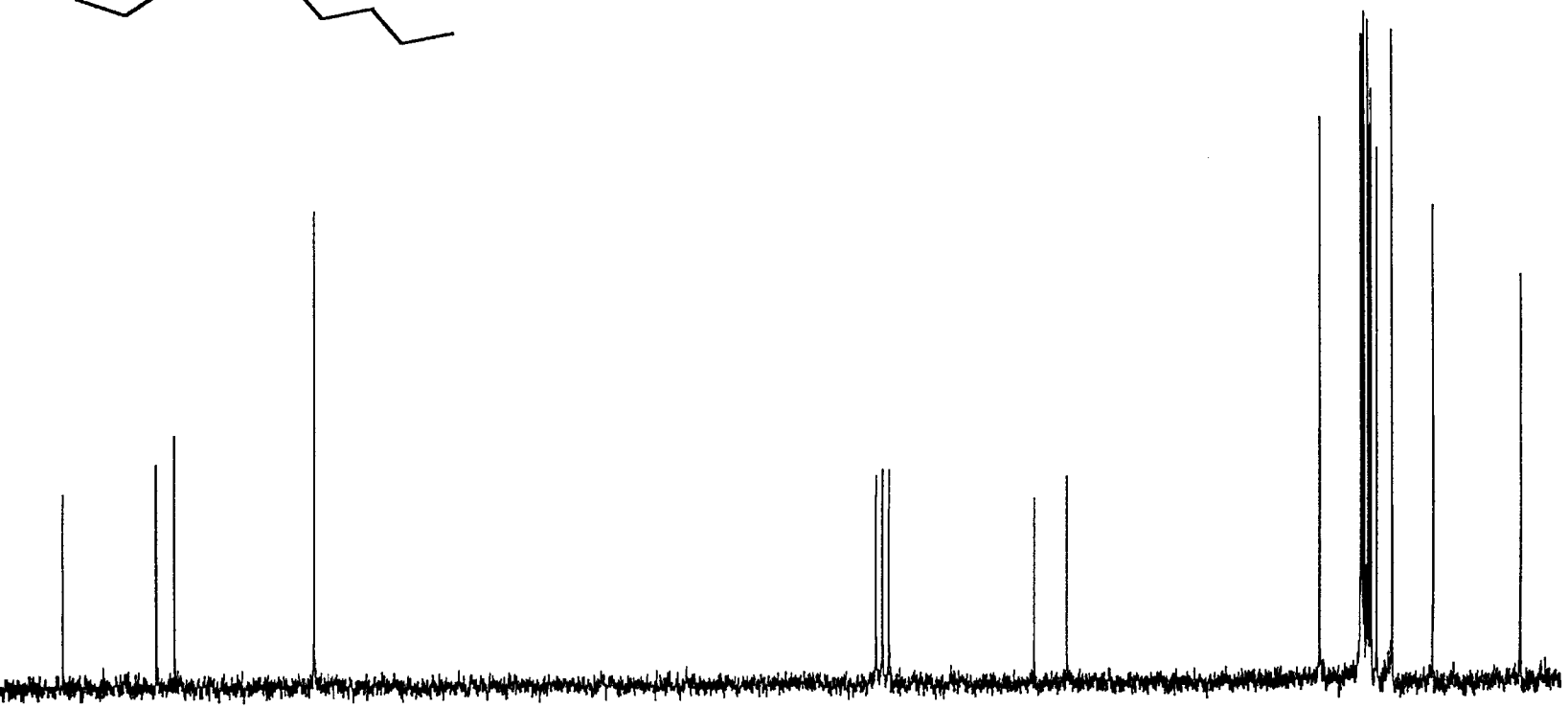
LB .100
GB 0.0
CX 22.00
CY 0.0
F1 7.500P
F2 .500P
HZ/CM 63.677
PPM/CM .318
SR 2341.03

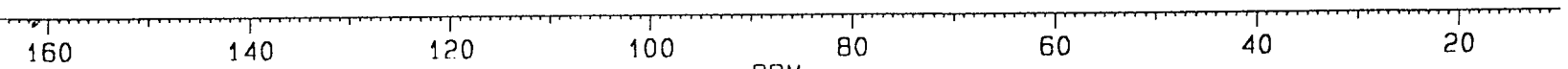
5D-H-BUTYL

PPM

158.578
149.367
147.601
133.608
77.636
77.001
76.366
62.053
58.829
33.806
29.764
29.674
29.577
29.404
29.064
29.000
28.801
28.730
28.177
26.703
26.665
22.644
13.989



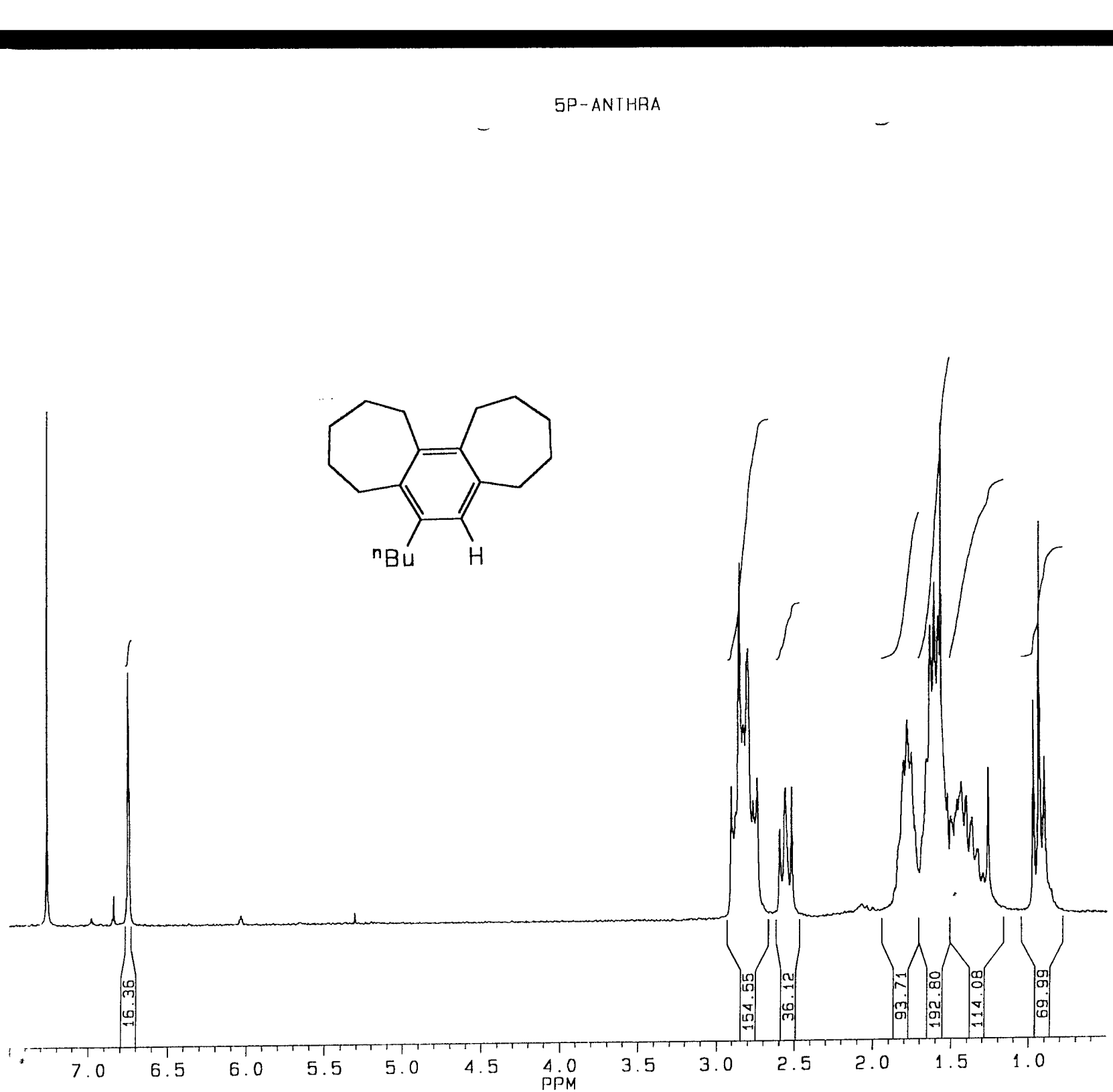




ROLF.315
DATE 22-10-94

SF	50.323
SY	50.0
O1	8396.387
SI	32768
TD	32768
SW	11111.111
HZ/PT	.678
PW	2.4
RD	1.000
AQ	1.475
RG	200
NS	235
TE	297
FW	13900
O2	3400.000
DP	21H CPD
LB	1.000
GB	0.0
CX	22.00
CY	0.0
F1	165.000P
F2	10.010P
HZ/CM	354.528
PPM/CM	7.045
SR	3317.06

5P-ANTHRA



ROLF.345
DATE 18-12-94
TIME 12:22

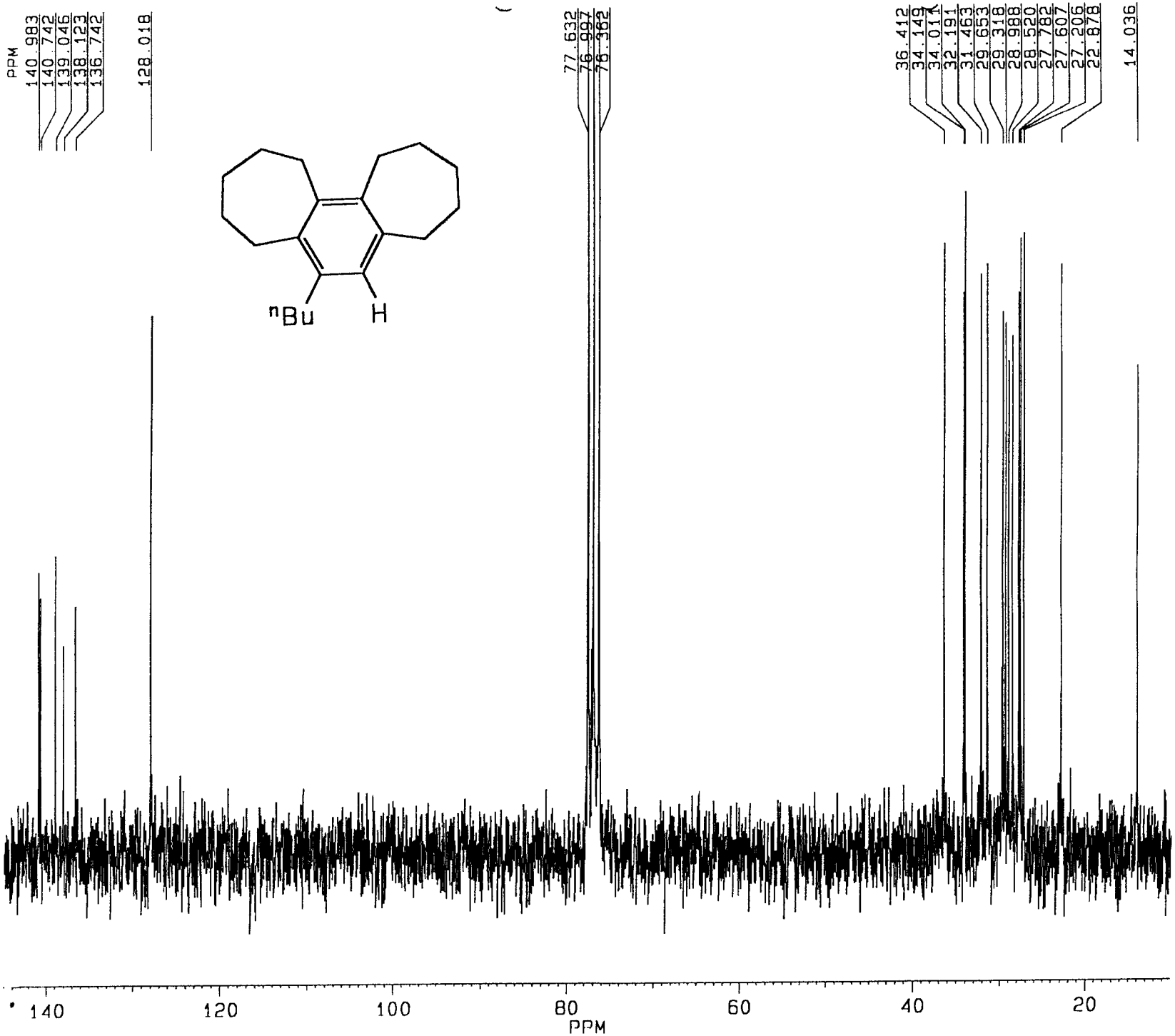
SF 200.132
SY 80.0
O1 3400.000
SI 32768
TD 32768
SW 2994.012
HZ/PT .183

PW 2.5
RD 0.0
AQ 5.472
RG 20
NS 67
TE 297

FW 3800
O2 0.0
DP 63L PO

LB .100
GB 0.0
CX 22.00
CY 0.0
F1 7.500P
F2 .500P
HZ/CM 63.677
PPM/CM .318
SR 2340.48

5A-H-BU

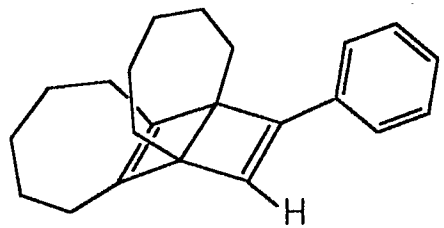


BRUKER

ROLF.305
DATE 30-12-94
TIME 17:45

SF	50.323
SY	50.0
O1	8396.387
SI	32768
TD	32768
SW	11111.111
HZ/PT	.678
PW	2.4
RD	1.000
AQ	1.475
RG	200
NS	1732
TE	297
FW	13900
O2	3400.000
DP	21H CPD
LB	1.000
GB	0.0
CX	22.00
CY	0.0
F1	145.001P
F2	10.010P
HZ/CM	308.782
PPM/CM	6.136
SR	3317.74

5D-H-PHEN



ROLF.305
DATE 29-1-94
TIME 10:10

SOLVENT CDCl3
SF 200.132
SFO 200.130
SF02 200.130
SF2 200.132
SY 80.0300000
O1 3400.000
SI 32768
TD 32768
SW 4000.000
SW2 4000.000
HZ/PT .244
VD 0.0

PW 3.0
RD 0.0
AQ 4.096
RG 1
NS 8
TE 298

DE 158.8
DR 12
DW 125
FW 5000
O2 0.0
DP 60L PO

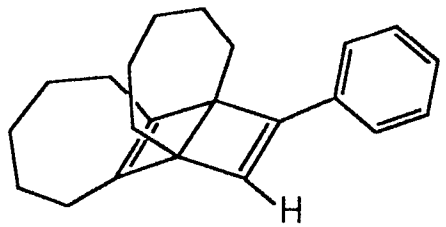
LB .100
GB 0.0
NC -2
CX 35.00
CY 0.0
F1 7.700P
F2 .700P
MI .03
DC 1.000
HZ/CM 40.025
PPM/CM .200
IS 5
SR 2344.84

97.2
16.2
425.9

7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0
PPM

5D-H-PHEN

149.464
147.558
135.999
135.260
128.359
127.066
125.418
61.545
59.261
33.734
26.730
26.546
26.340
26.197
26.029
25.868
25.812
25.684



BRUKER

ROLF.305
DATE 25-11-93
TIME 11: 44

SOLVENT CDCl3
SF 50.323
SFO 50.327
SFO2 0.0
SF2 50.323
SY 50.0300000
O1 1500.000
SI 32768
TD 32768
SW 11111.111
SW2 11111.111
HZ/PT .678
VD 0.0

PW 4.0
RD 1.000
AQ 1.475
RG 200
NS 266
TE 220

DE 58.8
DR 12
DW 45
FW 13900
O2 3400.000
DP 26H CPD

LB 1.000
GB 0.0
NC 4
CX 35.00
CY 0.0
F1 160.000P
F2 20.009P
MI .05
DC 1.000
HZ/CM 201.280
PPM/CM 4.000
IS 4
SR -3681.73

