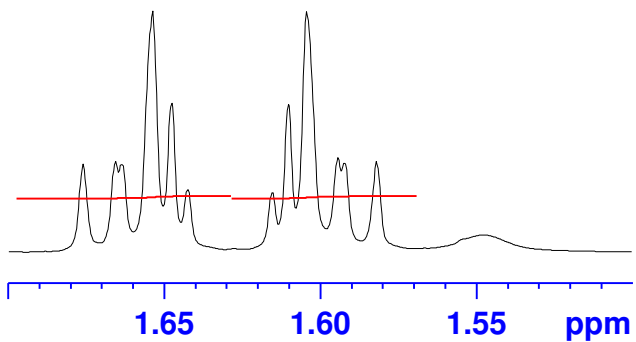


10.366

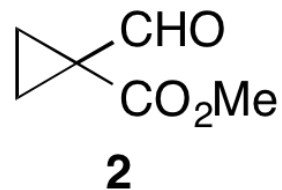
1.676  
1.666  
1.664  
1.654  
1.648  
1.643  
1.615  
1.610  
1.604  
1.594  
1.592  
1.582



2.2670  
2.3098

3.795

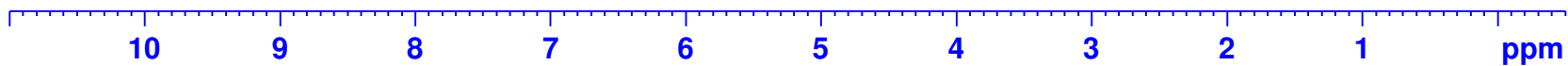
1.676  
1.666  
1.664  
1.654  
1.648  
1.643  
1.615  
1.610  
1.604  
1.594  
1.592  
1.582



Current Data Parameters  
 NAME ywh-organic-syn-2nd-p  
 EXPNO 10  
 PROCNO 1

F2 - Acquisition Parameters  
 Date\_ 20160819  
 Time 11.27 h  
 INSTRUM spect  
 PROBHD Z108618\_0753 (  
 PULPROG zg30  
 TD 65536  
 SOLVENT CDC13  
 NS 16  
 DS 2  
 SWH 8012.820 Hz  
 FIDRES 0.244532 Hz  
 AQ 4.0894465 sec  
 RG 208.61  
 DW 62.400 usec  
 DE 6.50 usec  
 TE 298.1 K  
 D1 1.00000000 sec  
 TD0 1  
 SFO1 400.1324708 MHz  
 NUC1 1H  
 P1 15.00 usec  
 PLW1 10.57299995 W

F2 - Processing parameters  
 SI 65536  
 SF 400.1300176 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00

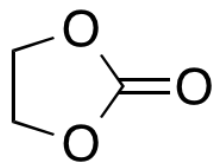


1.0000

3.3179

2.2670  
2.3098

10.329



ethylene carbonate  
(internal standard)

$$wt\% = \frac{mgstd \times MWcpd \times molar\ ratio \times Pstd}{mgcpd \times MWstd} \times 100\%$$

$$= \frac{68.362 \times 128.127 \times 0.9983 \times 0.99}{100.717 \times 88.06} \times 100\%$$

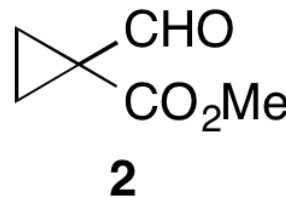
$$= 97.6\%$$

$$molar\ ratio = \frac{Icpd}{nHcpd} \div \frac{Istd}{nHstd} = \frac{1}{4.0069} \div \frac{1}{4} = 0.9983$$

4.480

3.764

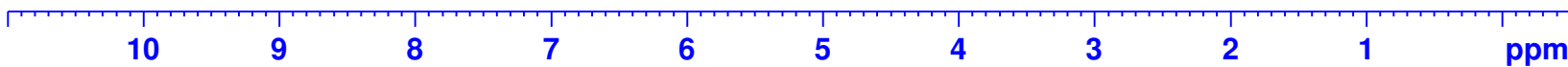
1.648  
1.645  
1.637  
1.635  
1.625  
1.619  
1.608  
1.585  
1.574  
1.568  
1.558  
1.556  
1.548  
1.546



Current Data Parameters  
NAME ywh-org syn 2nd run-p  
EXPNO 10  
PROCNO 1

F2 - Acquisition Parameters  
Date\_ 20160817  
Time 21.04 h  
INSTRUM spect  
PROBHD Z108618\_0753 (  
PULPROG zg30  
TD 65536  
SOLVENT CDC13  
NS 16  
DS 2  
SWH 8012.820 Hz  
FIDRES 0.244532 Hz  
AQ 4.0894465 sec  
RG 75.17  
DW 62.400 usec  
DE 6.50 usec  
TE 296.4 K  
D1 30.0000000 sec  
TD0 1  
SFO1 400.1324708 MHz  
NUC1 1H  
P1 15.00 usec  
PLW1 10.57299995 W

F2 - Processing parameters  
SI 65536  
SF 400.1300176 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00



1.0000

4.0069

3.0103

2.0042

1.9918