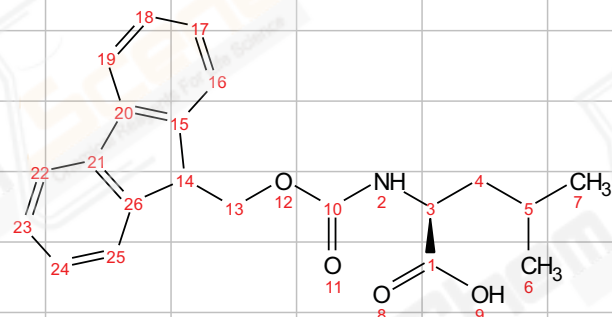


lj1912100026-cdc13-191210. 1. fid

lj1912100026-cdc13-191210



7.77
7.75
7.73
7.61
7.60
7.59
7.58
7.42
7.40
7.38
7.33
7.31
7.29
7.26

5.14
5.12
4.47
4.45
4.44
4.43
4.42
4.41
4.40
4.39
4.24
4.23
4.21

1.72
1.70
1.69
1.68
1.67
1.62
1.60
1.59
1.58
1.55
0.97
0.96
0.91
0.86
0.84

0.00

$^1\text{H NMR}$ (400 MHz, Chloroform- d) δ 7.76 (d, J = 7.6 Hz, 2H), 7.59 (dd, J = 7.6, 4.1 Hz, 2H), 7.40 (t, J = 7.5 Hz, 2H), 7.31 (t, J = 7.4 Hz, 2H), 5.13 (d, J = 8.7 Hz, 1H), 4.42 (td, J = 9.9, 8.6, 5.3 Hz, 3H), 4.23 (t, J = 7.0 Hz, 1H), 1.78 – 1.43 (m, 3H), 0.96 (d, J = 5.8 Hz, 6H).

D (t)
7.31

B (dd)
7.59

A (d)
7.76

C (t)
7.40

G (td)
4.42

E (d)
5.13

F (t)
4.23

H (m)
1.65

I (d)
0.96

2.00
2.04
2.05
1.99

0.89

2.91
1.28

3.07

6.16

14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
f1 (ppm)