Reductive One-Carbon Homologation of Aldehydes and Ketones

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Supporting Information

NMR Spectra.....	S-2
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ppm (t1)

150

100

50

0

156.278

140.508

130.035

128.908

126.707

78.658

54.666

41.715

29.359

28.192

10.902

S3

ppm (t1)

50

0

S5

63.348

32.862

31.672

25.981

25.483

22.672

18.385

14.060

-5.261

ppm (t1)

150

100

50

0

142.530

138.969

128.313

127.808

127.449

125.658

78.322

70.751

35.719

33.668

32.023

31.678

24.926

22.647

14.068

6.748
6.728
6.702
6.660
6.636
5.921

2.605
2.586
2.567
2.548

1.224
1.205
1.186

0.72
1.37

1.95

1.86

3.20

ppm (t1)

5.0

0.0

3.75

5.50

1.02

1.02

1.00

1.05

1.09

1.02

3.34

9.23

5.90

2.91

7.682

7.671

7.431

7.362

3.717

3.706

3.700

3.689

3.557

3.545

3.540

3.528

2.191

2.176

2.164

2.136

1.847

1.780

1.482

1.430

1.380

1.336

1.292

1.180

1.043

0.862

0.845

0.832

0.819

0.663

S10

ppm (t1)

200

150

100

50

0

200.439

136.969

132.683

128.383

127.897

38.494

31.531

28.913

24.210

22.394

13.902

S15

ppm (t1)

8.0

7.0

6.0

5.0

4.0

3.0

2.0

1.0

1.92

2.00

0.99

6.16

8

6.723

6.704

6.662

6.640

5.894

2.850

2.781

1.195

1.178

S16

ppm (t1)

150

100

50

0

147.060

144.966

142.573

118.627

107.593

106.484

100.272

33.523

23.832

S17