**Bis-(*o*-nitrophenyl)-ethanediol: a practical photolabile protecting groups
for ketones and aldehydes**

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Supplementary material

Table of contents:

¹ H and ¹³ C-NMR spectra of compounds 2 to 5a-g	S2-S20
SFC data for diol (-)- 3	S6

BLANC PROTON CDCl3 400 MHz

8.0549
8.0517
8.0347
8.0315
7.8282
7.8251
7.8087
7.8055
7.6912
7.6881
7.6723
7.6691
7.6527
7.6496
7.5681
7.5056
7.5018
7.4867
7.4848
7.4816
7.4665
7.4633
7.2600

*** Current Data Parameters ***

NAME : aur20980

EXPNO : 10

PROCNO : 1

2

Integral

1.9730

2.0755

2.0931

2.0000

2.0607

9.5 9.0 8.5 8.0 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 0.5

(ppm)

BLANC CPDC13 CDCl3 100 MHz

*** Current Data Parameters ***

NAME : aur20980

EXPNO : 11

PROCNO : 1

147.8757
133.5917
132.5614
129.0667
128.9513
128.8689
124.8714
77.3215
77.0000
76.6868

2

BLANC PROTON CDC13 400 MHz

7.8137
7.8106
7.8017
7.7986
7.7935
7.7903
7.7821
7.7790
7.6432
7.6401
7.6243
7.6218
7.6054
7.6022
7.4715
7.4677
7.4494
7.4324
7.4292
7.2600

*** Current Data Parameters ***

NAME : aur21006

EXPNO : 10

PROCNO : 1

3

BLANC C13CPD CDCl3 100 MHz

*** Current Data Parameters ***

NAME : aur21006

EXPNO : 11

PROCNO : 1

148.5927

134.7621

133.2208

129.4541

129.0172

124.5005

77.3132

77.0000

76.6786

71.9063

3

OD-H 15%-6-1-20 2 ml/mn 200 Bar 30C Racemique

```
=====
Acq. Method      : OD-H2-6.M                      Seq. Line :   -
Acq. Operator    : Stef                          Vial   : 1001
Injection Date   : 19-08-02 18:10:50             Inj    :   -
Sample Name      : AB236A                        Inj Volume: Unknown
=====
```

Analysis Method : C:\BERGER\1\METHODS\OD-H2-6.M
CHIRALCEL OD-H

```
=====
                        Area Percent Report
=====
```

Sorted by Signal

Multiplier : 1.000000

Signal 1: LDAD1 C, Sig=210,8 Ref=360,100

Peak #	RT [min]	Type	Width [min]	Area [mAU*sec]	Height [mAU]	Area %
1	4.435	MM	0.154	3586.30151	387.25223	96.3446
2	4.943	MM	0.153	136.06804	14.86310	3.6554

Totals : 3722.36963 402.11533

```
=====
*** End of Report ***
=====
```

S6

BLANC PROTON CDCI3 400 MHz

8.0044
8.0012
7.9835
7.9810
7.9633
7.9602
7.8087
7.7878
7.7544
7.7354
7.7165
7.5056
7.5018
7.4974
7.4942
7.4841
7.4766
7.4665
7.4633
7.4589
7.4551
— 7.2600

5.5073
5.4871
5.4467
5.4265

1.9603
1.9458
1.9325
1.9193
1.6636
1.5891
1.5758
1.3693
1.2892
1.2835
0.9040
0.8876
0.8699
0.0618

*** Current Data Parameters ***

NAME : aur31492

EXPNO : 11

PROCNO : 1

5a

BLANC C13CPD CDC13 100 MHz

*** Current Data Parameters ***

NAME : aur31492

EXPNO : 12

PROCNO : 1

BLANC PROTON CDCl3 400 MHz

7.9697
7.9665
7.9495
7.9463
7.7954
7.7922
7.7746
7.7714
7.7455
7.7424
7.7266
7.7241
7.7076
7.7045

7.4930
7.4892
7.4709
7.4690
7.4538
7.4507
7.2600

*** Current Data Parameters ***

NAME : aur21093

EXPNO : 10

PROCNO : 1

5b

5.4568

1.9856

1.6067
1.5689
1.4287
1.4053

Integral

2.0184
1.9939
2.0306
2.0083

2.0000

4.0685

4.8921
21.261

9.5 9.0 8.5 8.0 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 0.5

(ppm)

BLANC C13CPD CDC13 100 MHz

*** Current Data Parameters ***

NAME : aur21093

EXPNO : 11

PROCNO : 1

5b

BLANC PROTON CDC13 400 MHz

7.9078
7.8977
7.8945
7.8453
7.8421
7.8257
7.8225
7.7619
7.7588
7.7430
7.7405
7.7241
7.7089
7.7064
7.6893
7.6868
7.5258
7.5226
7.5144
7.5113
7.5043
7.4936
7.4873
7.4835
7.4759
7.4721

5.6506
5.6342
5.5894
5.5730
5.4915
5.4795
5.4682

1.9445
1.9325
1.9256
1.9174
1.9054
1.8934
1.5960
1.5790
1.5588
1.5392
1.5202
1.4034
0.9002
0.8838
0.8661

*** Current Data Parameters ***

NAME : aur31454

EXPNO : 12

PROCNO : 1

5c

BLANC C13CPD CDCl3 100 MHz

*** Current Data Parameters ***

NAME : aur31454

EXPNO : 13

PROCNO : 1

5c

148.4361
148.3455
134.6385
133.8637
133.6659
133.4598
129.0914
128.9843
128.7040
128.1930
124.7477
124.3851

106.1943

80.5854
80.2640
77.3132
77.0000
76.6786

34.1977
31.8816
29.6149
29.5902
29.3100
23.8948
22.6584
14.0947

BLANC PROTON CDC13 400 MHz

7.7941
7.7916
7.7746
7.7720
7.7266
7.7241
7.7076
7.6893
7.6735
7.6546
7.6521
7.5018
7.4987
7.4898
7.4867
7.4810
7.4690
7.4639
7.4601
7.4513
7.4481
7.3269
7.3086
7.2903
7.2600
7.2430
7.2335
7.2297
7.2253
7.2120
7.1943

5.6443
5.6279
5.6115
5.5957
5.5029
5.4909
5.4795

2.9130
2.8960
2.8897
2.8726

2.2653
2.2533
2.2476
2.2400
2.2286
2.2135

*** Current Data Parameters ***

NAME : aur31301

EXPNO : 10

PROCNO : 1

5d

BLANC C13CPD CDCl3 100 MHz

*** Current Data Parameters ***

NAME : aur31301

EXPNO : 11

PROCNO : 1

5d

BLANC PROTON CDCI3 400 MHz

8.0113
8.0082
7.9911
7.9880
7.9835
7.9804
7.9633
7.9602
7.8251
7.8219
7.8162
7.8131
7.8049
7.8017
7.7960
7.7929
7.7493
7.7297
7.7108

7.5024
7.4987
7.4803
7.4633
7.4601
7.2600

6.1570
6.1482
6.1387
6.1317
6.1229
6.1134
5.9291
5.9045
5.5743
5.4909

2.1295
1.9054

*** Current Data Parameters ***

NAME : aur31512

EXPNO : 10

PROCNO : 1

5e

Integral

2.0735

4.2106

2.0990

1.0000

0.9982

2.0656

3.9907

1.9826

9.5 9.0 8.5 8.0 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 0.5

(ppm)

BLANC C13CPD CDC13 100 MHz

*** Current Data Parameters ***

NAME : aur31512

EXPNO : 11

PROCNO : 1

5e

148.8565
134.0780
133.5340
133.4022
132.1081
132.0751
129.1079
129.0914
128.8606
127.4842
124.2697

106.9526

79.9260
79.3573
77.3215
77.0000
76.6868

34.7911

24.8426

20.5566

BLANC PROTON CDCI3 400 MHz

7.9690
7.9501
7.9476
7.9387
7.9356
7.9299
7.9274
7.9179
7.9154
7.8794
7.8598
7.7626
7.7430
7.7234
7.7039
7.7013
7.5315
7.5283
7.5107
7.4923
7.4898
— 7.2600

6.1343
6.1172
6.0977
6.0806
6.0642
5.7807
5.7643
5.7580
5.7214
5.7094
5.6942
5.6652
5.6500

2.1920
2.1743
2.1573
2.1409
2.1383
1.7071
1.4754
1.4596
1.4527
1.4394
1.4325
1.4211
1.4028
1.3851
1.3675
1.3485
1.3296
1.3125
1.2532
0.9356
0.9179
0.8996

*** Current Data Parameters ***

NAME : aur31672

EXPNO : 10

PROCNO : 1

BLANC C13CPD CDC13 100 MHz

*** Current Data Parameters ***

NAME : aur31672

EXPNO : 11

PROCNO : 1

148.5014
148.2613
139.7583
134.1938
133.9902
133.7356
133.5028
129.1385
128.7676
128.2366
125.3635
124.8761
124.4833

105.8260

80.6005
80.0695
77.3201
77.0000
76.6800

31.7570
30.6441

22.2065

13.8853

BLANC PROTON CDC13 400 MHz

*** Current Data Parameters ***

NAME : aur42202

EXPNO : 10

PROCNO : 1

Integral

0.9809

0.9898

4.1782

2.0237

1.0000

1.9506

3.4695

(ppm)

BLANC C13CPD CDC13 125 MHz

*** Current Data Parameters ***

NAME : aur42203

EXPNO : 11

PROCNO : 1