Supporting Information

Practical Preparation of Diphenylmethyl Ethers from 2-Diphenylmethoxypyridine using Catalytic Iron(III) Chloride

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2-(Benzhydryloxy)pyridine (2)



¹H NMR spectrum of 2-diphenylmethoxypyridine (2)



¹³C NMR spectrum of 2-diphenylmethoxypyridine (2)

Benzyloxymethylene)dibenzene (4a)



¹H NMR spectrum of Benzyloxymethylene)dibenzene (4a)



¹³C NMR spectrum of Benzyloxymethylene)dibenzene (4a)

Butoxymethylene)dibenzene (4b)



¹H NMR spectrum of Butoxymethylene)dibenzene (**4b**)



¹³C NMR spectrum of Butoxymethylene)dibenzene (**4b**)

(Heptyloxymethylene)dibenzene (4c)



¹H NMR spectrum of (Heptyloxymethylene)dibenzene (**4c**)



¹³C NMR spectrum of (Heptyloxymethylene)dibenzene (**4c**)

(Cyclopropylmethoxy)methylene)dibenzene (4d)



¹H NMR spectrum of (Cyclopropylmethoxy)methylene)dibenzene (**4d**)



¹³C NMR spectrum of (Cyclopropylmethoxy)methylene)dibenzene (4d)

(Allyloxymethylene)dibenzene (4e)



¹H NMR spectrum of (Allyloxymethylene)dibenzene (**4e**)



¹³C NMR spectrum of (Allyloxymethylene)dibenzene (**4e**)

((Prop-2-ynyloxy)methylene)dibenzene (4f)



¹H NMR spectrum of ((Prop-2-ynyloxy)methylene)dibenzene (**4f**)



¹³C NMR spectrum of ((Prop-2-ynyloxy)methylene)dibenzene (4f)

(isopropoxymethylene)dibenzene (4g)



¹H NMR spectrum of (isopropoxymethylene)dibenzene (**4g**)



¹³C NMR spectrum of (isopropoxymethylene)dibenzene (**4g**)

(cyclohexyloxymethylene)dibenzene (4h)



¹H NMR spectrum of (cyclohexyloxymethylene)dibenzene (**4h**)



¹³C NMR spectrum of (cyclohexyloxymethylene)dibenzene (**4h**)

(tert-butoxymethylene)dibenzene (4i)



¹H NMR spectrum of (*tert*-butoxymethylene)dibenzene (**4i**)



¹³C NMR spectrum of (*tert*-butoxymethylene)dibenzene (**4i**)

Oxybis(methanetriyl)tetrabenzene (4j)



¹H NMR spectrum of oxybis(methanetriyl)tetrabenzene (**4j**)



¹³C NMR spectrum of oxybis(methanetriyl)tetrabenzene (4j)

((3-bromopropoxy)methylene)dibenzene (4k)



¹H NMR spectrum of ((3-bromopropoxy)methylene)dibenzene (4k)



¹³C NMR spectrum of ((3-bromopropoxy)methylene)dibenzene (4k)

3-(benzhydryloxy)propan-1-ol (4l)



¹H NMR spectrum of 3-(benzhydryloxy)propan-1-ol (41)



¹³C NMR spectrum of 3-(benzhydryloxy)propan-1-ol (41)

(4-(benzhydryloxymethyl)cyclohexyl)methanol (4m)



¹H NMR spectrum of (4-(benzhydryloxymethyl)cyclohexyl)methanol (**4m**)



¹³C NMR spectrum of (4-(benzhydryloxymethyl)cyclohexyl)methanol (**4m**)

((3-(benzyloxy)propoxy)methylene)dibenzene (4n)



¹H NMR spectrum of ((3-(benzyloxy)propoxy)methylene)dibenzene (**4n**)



¹³C NMR spectrum of ((3-(benzyloxy)propoxy)methylene)dibenzene (4n)

(Phenoxymethylene)dibenzene (40)



¹H NMR spectrum of (Phenoxymethylene)dibenzene (40)



¹³C NMR spectrum of (Phenoxymethylene)dibenzene (40)

1-(benzhydryloxy)-4-methoxybenzene (4p)



¹H NMR spectrum of 1-(benzhydryloxy)-4-methoxybenzene (**4p**)



¹³C NMR spectrum of 1-(benzhydryloxy)-4-methoxybenzene (**4p**)

1-(benzhydryloxy)-4-chlorobenzene (4q)



¹H NMR spectrum of 1-(benzhydryloxy)-4-chlorobenzene (**4q**)



¹³C NMR spectrum of 1-(benzhydryloxy)-4-chlorobenzene (4q)

1-(benzhydryloxy)-4-nitrobenzene (4r)



 1 H NMR spectrum of 1-(benzhydryloxy)-4-nitrobenzene (4r)



¹³C NMR spectrum of 1-(benzhydryloxy)-4-nitrobenzene (4r)

Benzyl 5-(benzhydryloxy)pentylcarbamate (4s)



¹H NMR spectrum of Benzyl 5-(benzhydryloxy)pentylcarbamate (4s)



¹³C NMR spectrum of Benzyl 5-(benzhydryloxy)pentylcarbamate (4s)

1-(butoxy(phenyl)methyl)-4-methylbenzene (6a)



¹H NMR spectrum of 1-(butoxy(phenyl)methyl)-4-methylbenzene (**6a**)



¹³C NMR spectrum of 1-(butoxy(phenyl)methyl)-4-methylbenzene (6a)

1-(butoxy(phenyl)methyl)-4-chlorobenzene (6b)



¹H NMR spectrum of 1-(butoxy(phenyl)methyl)-4-chlorobenzene (**6b**)



¹³C NMR spectrum of 1-(butoxy(phenyl)methyl)-4-chlorobenzene (**6b**)

1-(butoxy(phenyl)methyl)-4-nitrobenzene (6c)



¹H NMR spectrum of 1-(butoxy(phenyl)methyl)-4-nitrobenzene (6c)



¹³C NMR spectrum of 1-(butoxy(phenyl)methyl)-4-nitrobenzene (6c)





¹H NMR spectrum of 4,4'-(butoxymethylene)bis(methylbenzene) (6d)



¹³C NMR spectrum of 4,4'-(butoxymethylene)bis(methylbenzene) (6d)

4,4'-(butoxymethylene)bis(fluorobenzene) (6e)



¹H NMR spectrum of 4,4'-(butoxymethylene)bis(fluorobenzene) (**6e**)



¹³C NMR spectrum of 4,4'-(butoxymethylene)bis(fluorobenzene) (6e)

4,4'-(butoxymethylene)bis(chlorobenzene) (6f)



¹H NMR spectrum of 4,4'-(butoxymethylene)bis(chlorobenzene) (6f)



¹³C NMR spectrum of 4,4'-(butoxymethylene)bis(chlorobenzene) (6f)

1-(allyloxy(phenyl)methyl)-4-methylbenzene (6g)



¹H NMR spectrum of 1-(allyloxy(phenyl)methyl)-4-methylbenzene (**6g**)



¹³C NMR spectrum of 1-(allyloxy(phenyl)methyl)-4-methylbenzene (**6g**)

1-(allyloxy(phenyl)methyl)-4-chlorobenzene (6h)



¹H NMR spectrum of 1-(allyloxy(phenyl)methyl)-4-chlorobenzene (**6h**)



1-(allyloxy(phenyl)methyl)-4-nitrobenzene (6i)



¹H NMR spectrum of 1-(allyloxy(phenyl)methyl)-4-nitrobenzene (6i)



¹³C NMR spectrum of 1-(allyloxy(phenyl)methyl)-4-nitrobenzene (6i)

4,4'-(allyloxymethylene)bis(methylbenzene) (6j)



¹H NMR spectrum of 4,4'-(allyloxymethylene)bis(methylbenzene) (6j)



¹³C NMR spectrum of 4,4'-(allyloxymethylene)bis(methylbenzene) (6j)

4,4'-(allyloxymethylene)bis(fluorobenzene) (6k)



¹H NMR spectrum of 4,4'-(allyloxymethylene)bis(fluorobenzene) (6k)



¹³C NMR spectrum of 4,4'-(allyloxymethylene)bis(fluorobenzene) (6k)

4,4'-(allyloxymethylene)bis(chlorobenzene) (6l)



¹H NMR spectrum of 4,4'-(allyloxymethylene)bis(chlorobenzene) (6l)



¹³C NMR spectrum of 4,4'-(allyloxymethylene)bis(chlorobenzene) (61)

Benzhydryl(butyl)sulfane (8)



¹H NMR spectrum of benzhydryl(butyl)sulfane (8)



¹³C NMR spectrum of benzhydryl(butyl)sulfane (8)