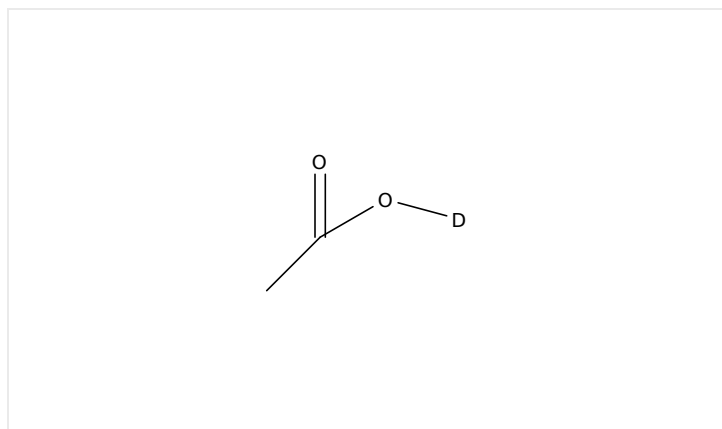


Initiating Search



February 21, 2025, 8:44 PM

 Substances:

Filtered By:

Structure Match: **Substructure**

Search Tasks

Task	Search Type	View
Returned Substance Results + Filters (2,557)	 Substances	View Results
Exported: Retrieved Related Reaction Results + Filters (56)	 Reactions	View Results
Filtered By:		
Substance	Reactant, Reagent, Solvent	
Role:		

Catalyst: Bis(acetato-κO)[(1,2,3,4,5-η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]iridium, Di-μ-chlorobis[(1,2,5,6-η)-1,5-cyclooctadiene]diiridium, *fac*-Tris(2-(2-pyridinyl)phenyl)iridium, Iridium(1+), [4,4'-bis(1,1-dimethylethyl)-2,2'-bipyridine-κN¹,κN^{1'}]bis[2-(2-pyridinyl-κM)phenyl-κC]-, (OC-6-33)-, hexafluorophosphate(1-) (1:1), Iridium(1+), [4,4'-bis(1,1-dimethylethyl)-2,2'-bipyridine-κN¹,κN^{1'}]bis[3,5-difluoro-2-(5-methyl-2-pyridinyl-κM)phenyl-κC]-, (OC-6-33)-, hexafluorophosphate(1-) (1:1), Iridium(1+), [4,4'-bis(1,1-dimethylethyl)-2,2'-bipyridine-κN¹,κN^{1'}]bis[3,5-difluoro-2-[5-(trifluoromethyl)-2-pyridinyl-κM]phenyl-κC]-, (OC-6-33)-, hexafluorophosphate(1-) (1:1), Iridium(2+), [(1,2,5,6-η)-1,5-cyclooctadiene][1,1'-[(1S)-6,6'-dimethoxy[1,1'-biphenyl]-2,2'-diyl]bis[1,1-diphenylphosphine-κP]]-, tetrakis[3,5-bis(trifluoromethyl)phenyl]borate(1-) (1:1), Iridium, [2-[4,4'-bis(1,1-dimethylethyl)[2,2'-bipyridin]-6-yl-κN¹,κN^{1'}]phenyl-κC](η²-ethene)ethyl(2,2,2-trifluoroacetato-κO)-, stereoisomer, Iridium(2+), triaqua[(1,2,3,4,5-η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]-, 1,1,1-trifluoromethanesulfonate (1:2), Iridium, [4,4'-bis(1,1-dimethylethyl)-2,2'-bipyridine-κN¹,κN^{1'}]methyl(6-phenyl[2,2'-bipyridin]-3-yl-κC³,κN^{1'})(1,1,1-trifluoromethanesulfonato-κO)-, (OC-6-45)-, Iridium, [4,4'-bis(1,1-dimethylethyl)-2,2'-bipyridine-κN¹,κN^{1'}]phenyl(6-phenyl[2,2'-bipyridin]-3-yl-κC³,κN^{1'})(1,1,1-trifluoromethanesulfonato-κO)-, (OC-6-45)-, Iridium, di-μ-chlorodichlorobis[(1,2,3,4,5-η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, (OC-6-11)- Methylbis(2,4-pentanedionato-κO²,κO⁴)(pyridine)iridium, (OC-6-14)-Bis(acetato-κO)aqua[2,6-bis(4,5-dihydro-4,4-dimethyl-2-oxazolyl-κN³)-3,5-dimethylphenyl-κC]iridium, Tris[2-(2-pyridinyl-κM)phenyl-κC]iridium

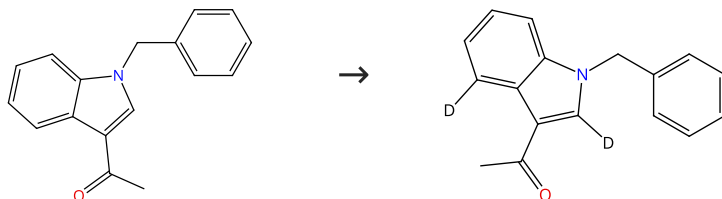
Document Type: Journal
Language: English

Reactions (29)

[View in CAS SciFinder](#)

Scheme 1 (1 Reaction)

Steps: 1 Yield: 95%


 Suppliers (29)

31-614-CAS-23953766

Steps: 1 Yield: 95%

Cascade Reaction to Selectively Synthesize Multifunctional Indole Derivatives by Ir^{III}-Catalyzed C-H Activation

By: Chai, Xin-Yue; et al

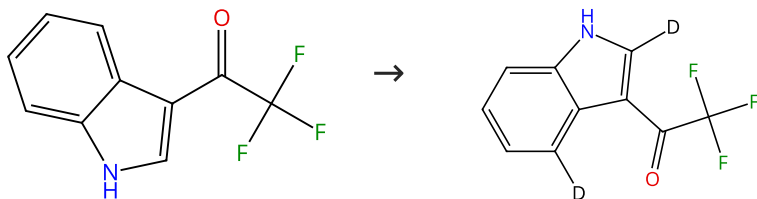
Chemistry - A European Journal (2021), 27(52), 13123-13127.

1.1 **Reagents:** Potassium acetate, Silver carbonate, Silver acetate, Acetic acid-*d*₄
Catalysts: Iridium, di-μ-chlorodichlorobis[(1,2,3,4,5-η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, [1,1,1-Trifluoro-*N*-[(trifluoromethyl)sulfonyl-κ*O*]methanesulfonamidato-κ*O*] silver
Solvents: *tert*-Butyl methyl ether; 1 h, 100 °C

Experimental Protocols

Scheme 2 (1 Reaction)

Steps: 1 Yield: 94%


 Suppliers (67)

31-116-CAS-16998779

Steps: 1 Yield: 94%

Iridium(III) catalyzed regioselective amidation of indoles at the C4-position using weak coordinating groups

By: Lanke, Veeranjanyulu; et al

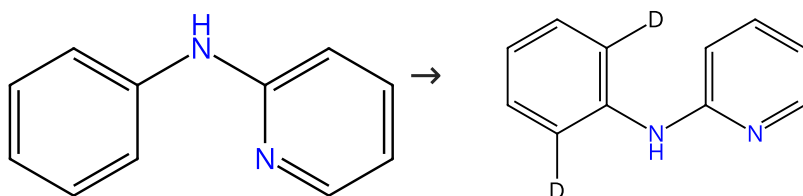
Chemical Communications (Cambridge, United Kingdom) (2017), 53(37), 5117-5120.

1.1 **Reagents:** Lithium carbonate (Li₂CO₃), Acetic acid-*d*₄
Catalysts: Iridium, di-μ-chlorodichlorobis[(1,2,3,4,5-η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, [1,1,1-Trifluoro-*N*-[(trifluoromethyl)sulfonyl-κ*O*]methanesulfonamidato-κ*O*] silver
Solvents: 1,2-Dichloroethane; 6 h, 60 °C

Experimental Protocols

Scheme 3 (1 Reaction)

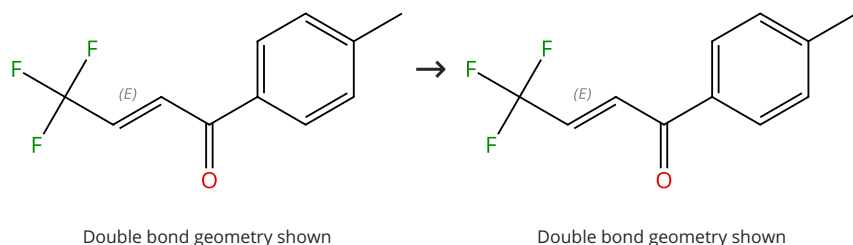
Steps: 1 Yield: 92%


 Suppliers (73)

31-116-CAS-22807075	Steps: 1 Yield: 92%	Iridium(III)-Catalyzed Tandem Annulation of Pyridine-Substituted Anilines and α-Cl Ketones for Obtaining 2-Arylindoles
1.1 Reagents: Acetic acid- d_4 , Sodium fluoride Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di- Solvents: Methanol; 12 h, 90 °C		By: Cui, Xin-Feng; et al Journal of Organic Chemistry (2020), 85(21), 13517-13528.
Experimental Protocols		

Scheme 4 (1 Reaction)

Steps: 1 Yield: 90%

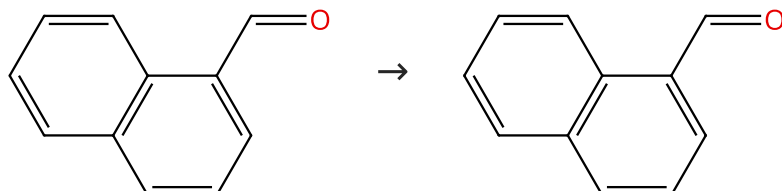


Suppliers (2)

31-614-CAS-39085645	Steps: 1 Yield: 90%	Iridium(III)-catalyzed β-trifluoromethyl enone carbonyl-directed regioselective ortho-C(sp²)-H olefination
1.1 Reagents: Silver carbonate, Acetic acid- d_4 Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, Silver hexafluoro antimonate Solvents: 1,1,1,3,3,3-Hexafluoro-2-propanol; 24 h, 100 °C		By: Sindhe, Haritha; et al Organic & Biomolecular Chemistry (2024), 22(6), 1162-1166.
Experimental Protocols		

Scheme 5 (1 Reaction)

Steps: 1 Yield: 90%

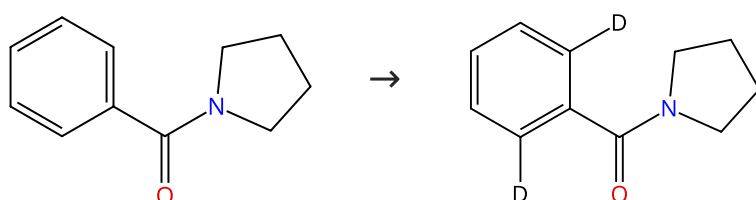


Suppliers (92)

31-614-CAS-31174274	Steps: 1 Yield: 90%	Overcoming peri- and ortho-selectivity in C-H methylation of 1-naphthaldehydes by a tunable transient ligand strategy
1.1 Catalysts: 3-Aminobenzenesulfonic acid, Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, [1,1,1-Trifluoro- <i>N</i> [(trifluoromethyl)sulfonyl- κO]methanesulfonamido- κO]silver Solvents: Acetic acid- d_4 ; 5 min, 90 °C		By: Mao, Yujian; et al Chemical Science (2022), 13(10), 2900-2908.
Experimental Protocols		

Scheme 6 (1 Reaction)

Steps: 1 Yield: 89%

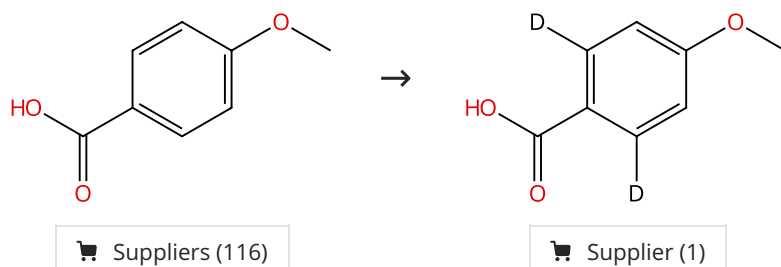


Suppliers (43)

31-614-CAS-41850413	Steps: 1 Yield: 89%	Ir(III)-Catalyzed Tandem Annulation of Aromatic Amides with 1,6-Diynes via Dual C-H Bond Activation
1.1 Reagents: Cupric acetate, Acetic acid- d_4 Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, Silver hexafluoroantimonate Solvents: Tetrahydrofuran; 12 h, 120 °C		By: Yadav, Suresh Kumar; et al Organic Letters (2024), 26(37), 7809-7816.
Experimental Protocols		

Scheme 7 (1 Reaction)

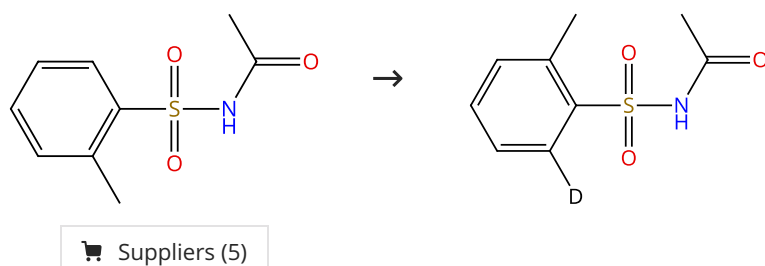
Steps: 1 Yield: 87%



31-116-CAS-21022814	Steps: 1 Yield: 87%	Regioselective Synthesis of Isocoumarins via Iridium(III)-Catalyzed Oxidative Cyclization of Aromatic Acids with Propargyl Alcohols
1.1 Reagents: Silver carbonate, Acetic acid- d_4 Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di- Solvents: 1,2-Dichloroethane; 16 h, 80 °C		By: Sihag, Pinki; et al Journal of Organic Chemistry (2019), 84(5), 2699-2712.
Experimental Protocols		

Scheme 8 (1 Reaction)

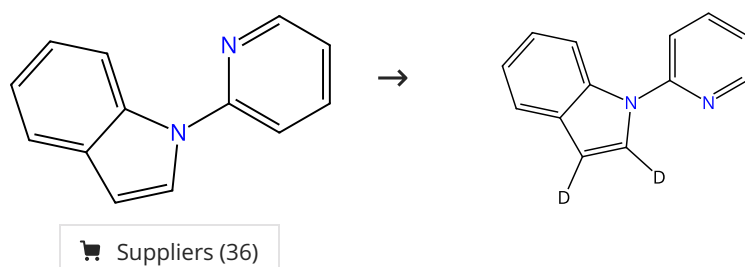
Steps: 1 Yield: 81%



31-116-CAS-20579031	Steps: 1 Yield: 81%	Iridium-Catalyzed ortho-C-H Amidation of Benzenesulfonamides with Sulfonyl Azides
1.1 Reagents: Acetic acid- d_4 , Water- d_2 Catalysts: Silver carbonate, Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di- Solvents: 1,2-Dichloroethane; 12 h, 80 °C		By: Hou, Hongcen; et al Advanced Synthesis & Catalysis (2019), 361(18), 4393-4398.

Scheme 9 (1 Reaction)

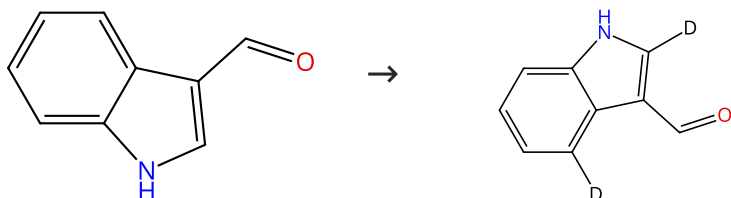
Steps: 1 Yield: 72%



31-614-CAS-24398286	Steps: 1 Yield: 72%	Iridium-Catalyzed Redox-Neutral C2 and C3 Dual C-H Functionalization of Indoles with Nitrones toward 7 H-Indolo [2,3-c]quinolines
1.1 Reagents: Acetic acid- d_4 Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di- Solvents: Acetic acid- d_4 ; 6 h, 80 °C		By: Li, Miao; et al Organic Letters (2021), 23(21), 8229-8234.
Experimental Protocols		

Scheme 10 (1 Reaction)

Steps: 1 Yield: 70%

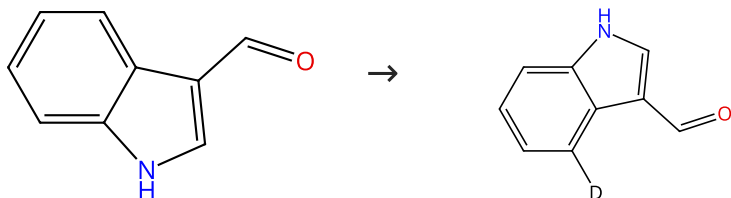


Suppliers (123)

31-116-CAS-16998778	Steps: 1 Yield: 70%	Iridium(III) catalyzed regioselective amidation of indoles at the C4-position using weak coordinating groups
1.1 Reagents: Lithium carbonate (Li_2CO_3), Acetic acid- d_4 Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, [1,1,1-Trifluoro- <i>N</i> -[(trifluoromethyl)sulfonyl- κO]methanesulfonamidato- κO]silver Solvents: 1,2-Dichloroethane; 6 h, 60 °C		By: Lanke, Veeranjanyulu; et al Chemical Communications (Cambridge, United Kingdom) (2017), 53(37), 5117-5120.
Experimental Protocols		

Scheme 11 (1 Reaction)

Steps: 1 Yield: 66%

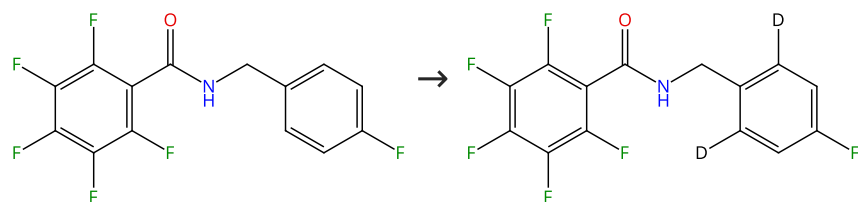


Suppliers (123)

31-116-CAS-17107870	Steps: 1 Yield: 66%	Iridium-Catalyzed Direct Regioselective C4-Amidation of Indoles under Mild Conditions
1.1 Reagents: Acetic acid- d_4 Catalysts: Bis(acetato- κO)[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]iridium, [1,1,1-Trifluoro- <i>N</i> -[(trifluoromethyl)sulfonyl- κO]methanesulfonamidato- κO]silver Solvents: 1,2-Dichloroethane; 18 h, rt		By: Chen, Shuyou; et al Organic Letters (2017), 19(10), 2502-2505.
Experimental Protocols		

Scheme 12 (1 Reaction)

Steps: 1 Yield: 60%

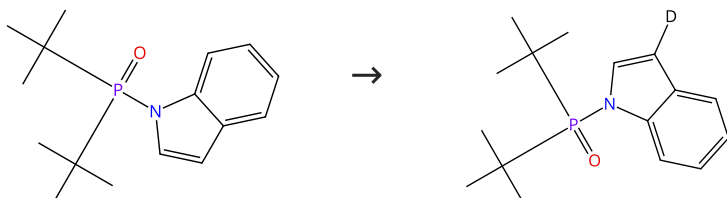


Supplier (1)

31-116-CAS-20983711	Steps: 1 Yield: 60%	Iridium-Catalyzed Benzylamine C-H Alkenylation Enabled by Pentafluorobenzoyl as the Directing Group
1.1 Reagents: Silver acetate, Acetic acid- <i>d</i> Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di- Solvents: 1,2-Dichlorobenzene; 6 h, 100 °C		By: Yang, Xiao; et al Organic Letters (2019), 21(4), 1002-1006.
Experimental Protocols		

Scheme 13 (1 Reaction)

Steps: 1 Yield: 49%

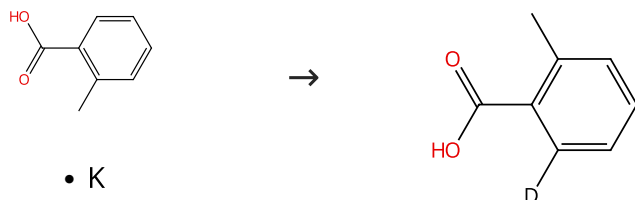


Suppliers (2)

31-614-CAS-33609673	Steps: 1 Yield: 49%	Palladium metallaphotoredox-catalyzed 3-acylation of indole derivatives
1.1 Reagents: <i>tert</i> -Butyl hydroperoxide, 4-Methylbenzaldehyde, Acetic acid- <i>d</i> Catalysts: Bis(benzonitrile)dichloropalladium, <i>N</i> -[(1,1-Dimethylethoxy)carbonyl]-2-methylalanine, <i>fac</i> -Tris(2-(2-pyridinyl)phenyl)iridium Solvents: Ethyl acetate; 20 h, rt		By: Wang, Xinmou; et al Chemical Communications (Cambridge, United Kingdom) (2022), 58(68), 9492-9495.
Experimental Protocols		

Scheme 14 (1 Reaction)

Steps: 1 Yield: 40%



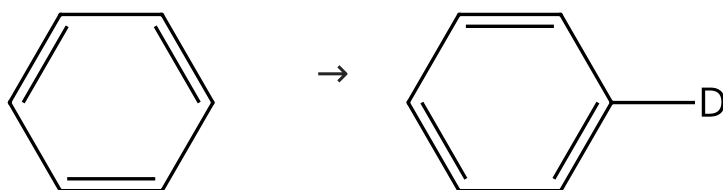
• K

Suppliers (3)

31-116-CAS-17073624	Steps: 1 Yield: 40%	Iridium-Catalyzed, Weakly Coordination-Assisted Ortho-Alkynylation of (Hetero)aromatic Carboxylic Acids without Cyclization
1.1 Reagents: Acetic acid- <i>d</i> Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di- Solvents: 2-Methyl-2-butanol; 24 h, 30 °C		By: Chen, Changpeng; et al Organic Letters (2017), 19(10), 2474-2477.
Experimental Protocols		

Scheme 15 (1 Reaction)

Steps: 1 Yield: 11%



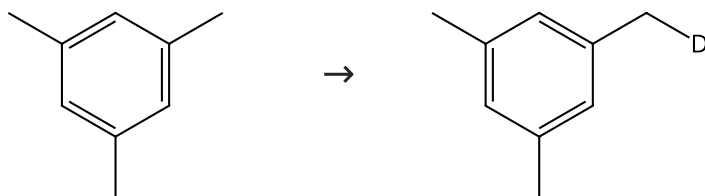
Suppliers (179)

Suppliers (23)

31-116-CAS-8826514	Steps: 1 Yield: 11%	Cyclometalation of 6-Phenyl-2,2'-Bipyridine and Iridium: Synthesis, Characterization, and Reactivity Studies
1.1 Reagents: Acetic acid- d_4 Catalysts: Iridium, [4,4'-bis(1,1-dimethylethyl)-2,2'-bipyridine- $\kappa N^1, \kappa N^1$]methyl(6-phenyl[2,2'-bipyridin]-3-yl- $\kappa C^3, \kappa N^1$)(1,1,1-trifluoromethanesulfonato- κO)-, (OC-6-45)- Solvents: Benzene; 4 h, 170 °C	By: Young, Kenneth J. H.; et al Organometallics (2009), 28(12), 3395-3406.	
Experimental Protocols		

Scheme 16 (1 Reaction)

Steps: 1

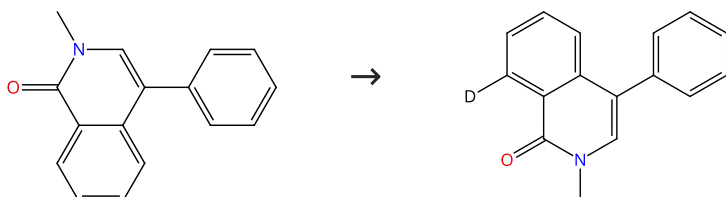


Suppliers (93)

31-116-CAS-4111309	Steps: 1	Alkane C-H bond activation by O-donor Ir complexes
1.1 Reagents: Trifluoroacetic acid- d Catalysts: (OC-6-11)-Methylbis(2,4-pentanedionato- $\kappa O^2, \kappa O^4$)(pyridine)iridium Solvents: Trifluoroacetic acid- d ; 160 °C	By: Bhalla, Gaurav; et al ACS Symposium Series (2004), 885, 105-115.	

Scheme 17 (1 Reaction)

Steps: 1

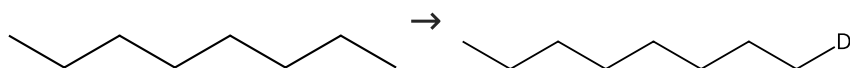


Suppliers (12)

31-116-CAS-11762673	Steps: 1	Catalyst Controlled Divergent C4/C8 Site-Selective C-H Arylation of Isoquinolones
1.1 Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, Silver hexafluoroantimonate Solvents: Acetic acid- d ; 10 min, 100 °C	By: Lee, Soyoung; et al Organic Letters (2015), 17(15), 3864-3867.	

Scheme 18 (1 Reaction)

Steps: 1

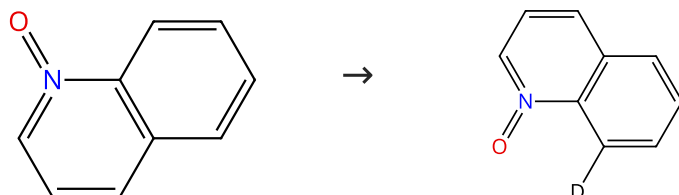


Suppliers (111)

31-116-CAS-6115793	Steps: 1	Alkane Dehydrogenation by C-H Activation at Iridium(III)
1.1 Reagents: Acetic acid- d_4 Catalysts: (OC-6-14)-Bis(acetato- κO)aqua[2,6-bis(4,5-dihydro-4,4-dimethyl-2-oxazolyl- κN^3)-3,5-dimethylphenyl- κC]iridium; 48 h, 160 °C		By: Allen, Kate E.; et al Organometallics (2013), 32(6), 1579-1582.
Experimental Protocols		

Scheme 19 (1 Reaction)

Steps: 1



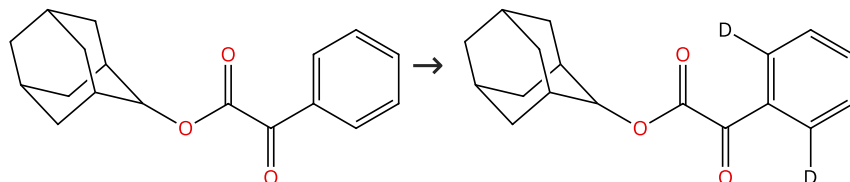
Suppliers (57)

Supplier (1)

31-614-CAS-38293578	Steps: 1	Cp*Ir^{III}-Catalyzed C₈-Selective C-H Activation Enables Room-Temperature Direct Arylation of Quinoline N-Oxides with Arylsilanes
1.1 Reagents: Acetic acid- d_4 Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, Silver hexafluoroantimonate, Shikimate-3-phosphate Solvents: 1,2-Dichloroethane; 36 h, 110 °C		By: Tian, Hua; et al Journal of Organic Chemistry (2023), 88(23), 16365-16375.
Experimental Protocols		

Scheme 20 (1 Reaction)

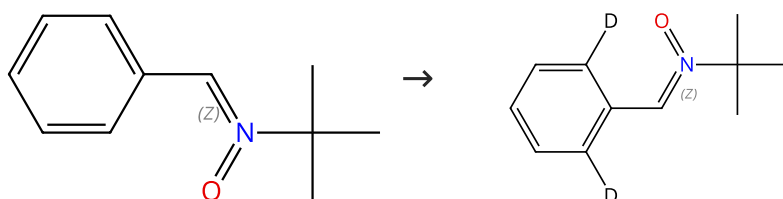
Steps: 1



31-614-CAS-35895681	Steps: 1	Iridium-Catalyzed Direct Ortho-C-H Amidation of α-Ketoesters with Sulfonyl Azides Using a Transient Directing Group Strategy
1.1 Reagents: 2-Fluoro-5-(trifluoromethyl)aniline, Trifluoroacetic acid- d Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, [1,1,1-Trifluoro- N -[(trifluoromethyl)sulfonyl- κO]methanesulfonamidato- κO] silver Solvents: 1,2-Dichloroethane; 24 h, 80 °C		By: He, Yinlong; et al Journal of Organic Chemistry (2023), 88(7), 4345-4351.
Experimental Protocols		

Scheme 21 (1 Reaction)

Steps: 1



Double bond geometry shown

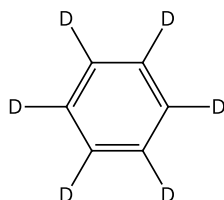
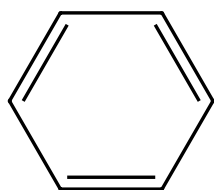
Double bond geometry shown

Suppliers (17)

31-116-CAS-19997825	Steps: 1	Iridium(III)-Catalyzed C-H Amidation of Nitrones with Dioxazolones
1.1 Reagents: Acetic acid- d_4 Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, Silver hexafluoroantimonate Solvents: 1,2-Dichloroethane; 5 min, 25 °C		By: Mi, Xia; et al Journal of Organic Chemistry (2019), 84(9), 5305-5312.
Experimental Protocols		

Scheme 22 (1 Reaction)

Steps: 1



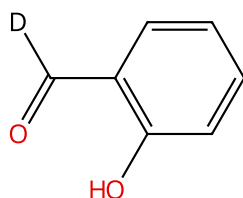
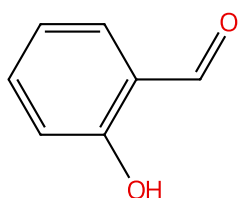
Suppliers (179)

Suppliers (143)

31-116-CAS-4808238	Steps: 1	Effect of Ancillary Ligands and Solvents on H/D Exchange Reactions Catalyzed by Cp*Ir Complexes
1.1 Reagents: Trifluoroacetic acid- d Catalysts: Iridium(2+), triaqua[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]-, 1,1,1-trifluoromethanesulfonate (1:2) Solvents: Trifluoroacetic acid- d ; rt \rightarrow 150 °C; 24 h, 150 °C; 150 °C \rightarrow rt		By: Feng, Yuee; et al Organometallics (2010), 29(13), 2857-2867.
Experimental Protocols		

Scheme 23 (1 Reaction)

Steps: 1

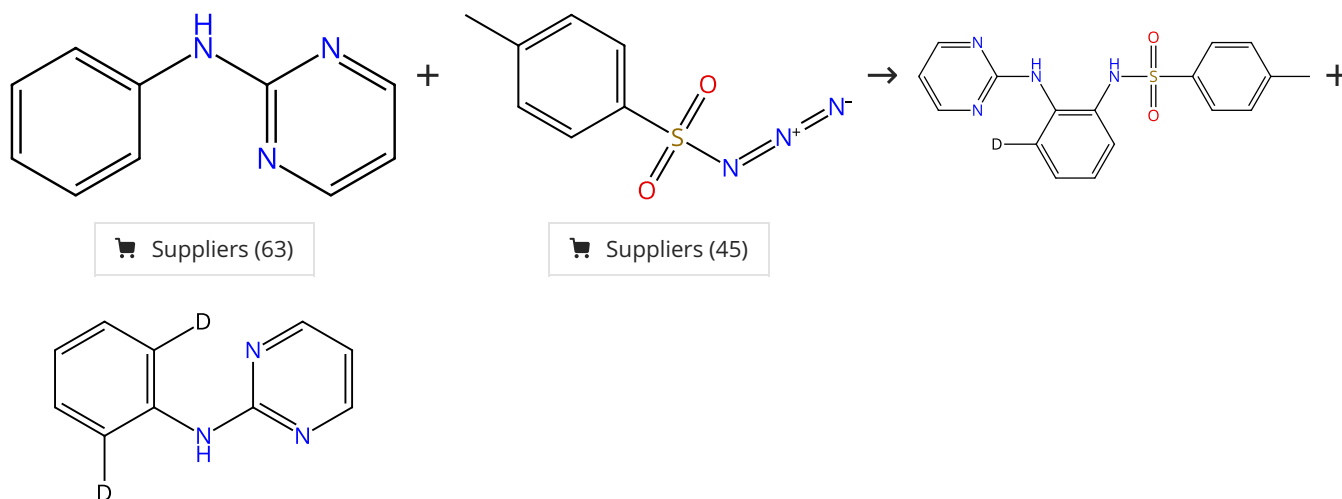


Suppliers (102)

31-116-CAS-20076674	Steps: 1	On-Water Cp*Ir(III)-Catalyzed C-H Functionalization for the Synthesis of Chromones through Annulation of Salicylaldehydes with Diazo-Ketones
1.1 Reagents: Acetic acid- d_4 , Water- d_2 Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-; 2 h, 80 °C		By: Debbarma, Suvankar; et al Journal of Organic Chemistry (2019), 84(10), 6207-6216.

Scheme 24 (1 Reaction)

Steps: 1 Yield: 42%



31-080-CAS-17811588

Steps: 1 Yield: 42%

Iridium-catalyzed direct C-H amidation of anilines with sulfonyl azides: easy access to 1,2-diaminobenzenes

By: Wang, Lianhui; et al

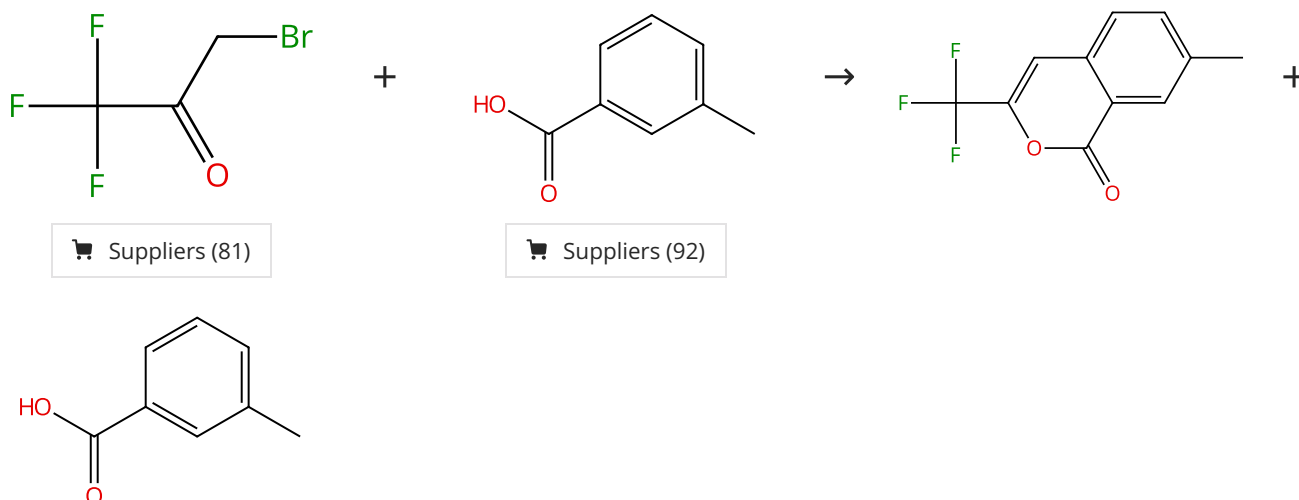
Organic & Biomolecular Chemistry (2017), 15(39), 8302-8307.

1.1 **Catalysts:** Iridium, di-μ-chlorodichlorobis[(1,2,3,4,5-η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, Silver hexafluoro antimonate
Solvents: 1,2-Dichloroethane, Acetic acid-*d*₄; 12 h, 80 °C

Experimental Protocols

Scheme 25 (1 Reaction)

Steps: 1 Yield: 25%



31-614-CAS-29342283

Steps: 1 Yield: 25%

An Indirect Strategy for Trifluoromethylation via an Iridium Catalyst: Approach to Generate Isocoumarin Skeletons in Bioactive Molecules

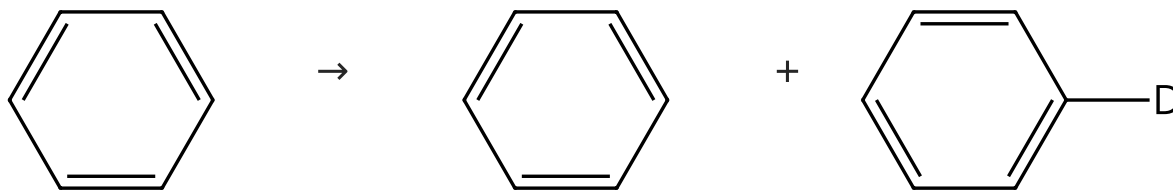
By: Zhou, Kehan; et al

Organic Letters (2020), 22(13), 5109-5114.

1.1 **Reagents:** Silver acetate, Acetic acid-*d*, Dipotassium phosphate
Catalysts: Iridium, di-μ-chlorodichlorobis[(1,2,3,4,5-η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, (±)-1,1'-Binaphthyl-2, 2'-diyl hydrogen phosphate, X-Phos
Solvents: 2,2,2-Trifluoroethanol; 2 h, 140 °C

Scheme 26 (1 Reaction)

Steps: 1 Yield: 4%



Suppliers (179)

Suppliers (23)

31-614-CAS-29299264

Steps: 1 Yield: 4%

Cyclometalation of 6-Phenyl-2,2'-Bipyridine and Iridium: Synthesis, Characterization, and Reactivity Studies

By: Young, Kenneth J. H.; et al

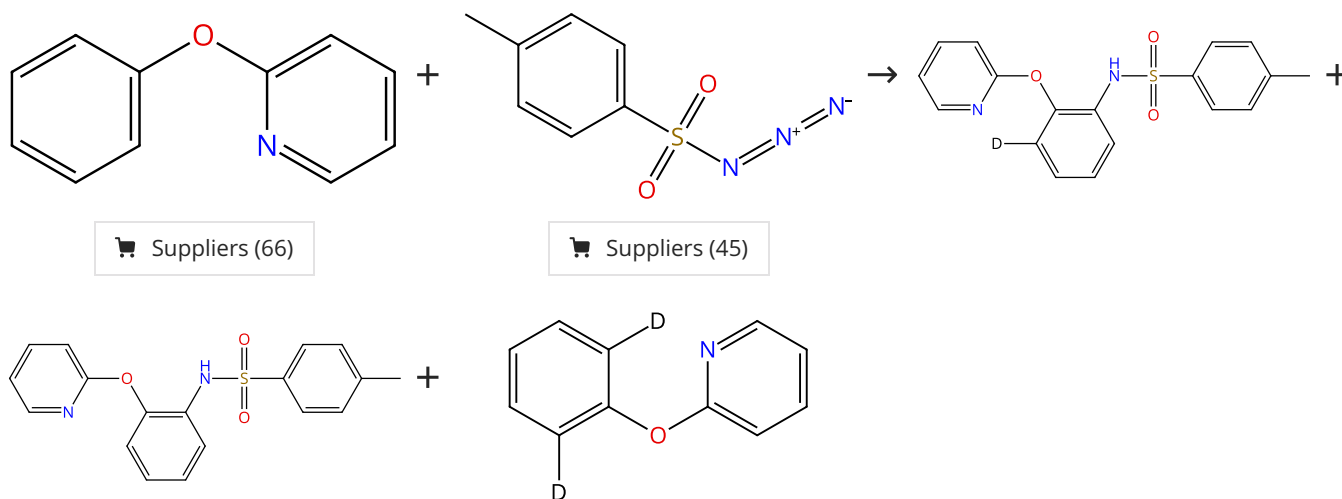
Organometallics (2009), 28(12), 3395-3406.

- 1.1 **Reagents:** Acetic acid- d_4
Catalysts: Iridium, [4,4'-bis(1,1-dimethylethyl)-2,2'-bipyridine- $\kappa N^1, \kappa N^1$]phenyl(6-phenyl[2,2'-bipyridin]-3-yl- $\kappa C^3, \kappa N^1$)(1,1,1-trifluoromethanesulfonato- κO)-, (OC-6-45)-
Solvents: Benzene; 4 h, 170 °C

Experimental Protocols

Scheme 27 (1 Reaction)

Steps: 1 Yield: 68%



Suppliers (66)

Suppliers (45)

31-080-CAS-17759733

Steps: 1 Yield: 68%

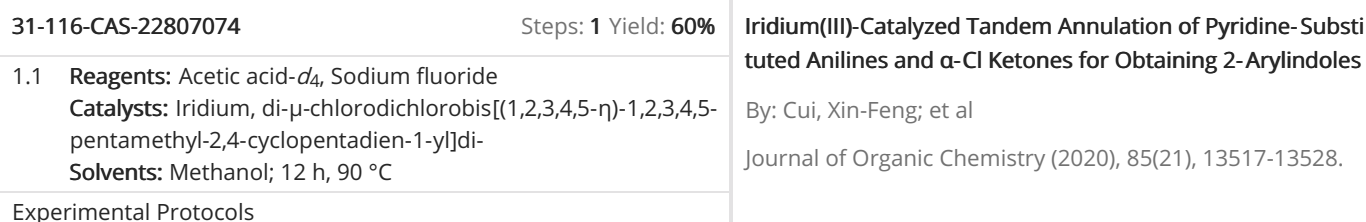
A Facile Route to Ortho-Hydroxyanilnes through an Ir^{III}-Catalyzed Direct C-H Amidation of 2-Phenoxypyridines

By: Wang, Lianhui; et al

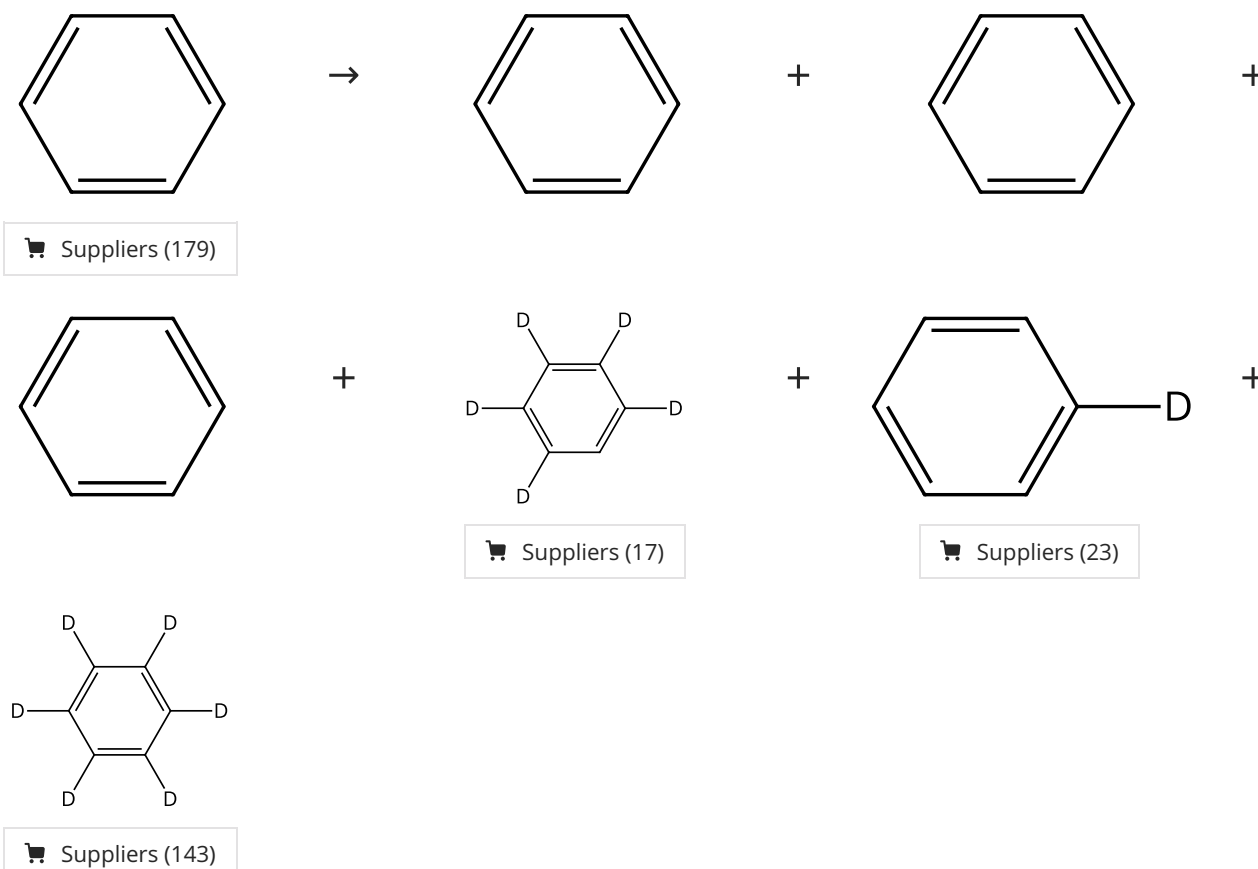
Chemistry - An Asian Journal (2017), 12(19), 2634-2643.

- 1.1 **Reagents:** Acetic acid- d_4
Catalysts: Iridium, di- μ -chlorodichlorobis[(1,2,3,4,5- η)-1,2,3,4,5-pentamethyl-2,4-cyclopentadien-1-yl]di-, Silver hexafluoroantimonate
Solvents: 1,2-Dichloroethane; 12 h, 80 °C

Experimental Protocols

Steps: **1** Yield: **60%**

Steps: 1



31-614-CAS-27707323	Steps: 1	Cyclometalation of 6-Phenyl-2,2'-Bipyridine and Iridium: Synthesis, Characterization, and Reactivity Studies
1.1 Reagents: Acetic acid- <i>d</i> ₄ Catalysts: Iridium, [4,4'-bis(1,1-dimethylethyl)-2,2'-bipyridine- $\kappa N^1, \kappa N^1$]methyl(6-phenyl[2,2'-bipyridin]-3-yl- $\kappa C^3, \kappa N^1$)(1,1,1-trifluoromethanesulfonato- κO)-, (<i>OC</i> -6-45)- Solvents: Toluene- <i>d</i> ₈ ; 4 h, 170 °C	By: Young, Kenneth J. H.; et al Organometallics (2009), 28(12), 3395-3406.	
Experimental Protocols		