

Copper-Mediated Trifluoromethylation of Heteroaromatic Sulfonium Salts

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Silver-Mediated Trifluoromethylation of Arenes Using TMSCF ₃ . <i>Organic Letters</i> , 2011, 13, 5464-5467.	2.4	282
2	Silver-Mediated Trifluoromethoxylation of Aryl Stannanes and Arylboronic Acids. <i>Journal of the American Chemical Society</i> , 2011, 133, 13308-13310.	6.6	188
3	Copper-Catalyzed Trifluoromethylation of Aryl and Vinyl Boronic Acids with An Electrophilic Trifluoromethylating Reagent. <i>Organic Letters</i> , 2011, 13, 2342-2345.	2.4	304
4	A novel catalytic process for trifluoromethylation of bromoaromatic compounds. <i>Chemical Communications</i> , 2011, 47, 7236.	2.2	63
5	Cu-Mediated Chemoselective Trifluoromethylation of Benzyl Bromides Using Shelf-Stable Electrophilic Trifluoromethylating Reagents. <i>Organic Letters</i> , 2011, 13, 3596-3599.	2.4	120
6	Generation of the CF ₃ radical from trifluoromethylsulfonium triflate and its trifluoromethylation of styrenes. <i>Chemical Communications</i> , 2011, 47, 6632.	2.2	161
7	Copper-mediated trifluoromethylation of arylboronic acids by trifluoromethyl sulfonium salts. <i>Chemical Communications</i> , 2011, 47, 9516.	2.2	129
8	Copper-catalyzed trifluoromethylation of aryl boronic acids using a CF ₃ ⁺ reagent. <i>Chemical Communications</i> , 2011, 47, 4300.	2.2	255
9	Catalysis for fluorination and trifluoromethylation. <i>Nature</i> , 2011, 473, 470-477.	13.7	1,894
10	A New Method for Aromatic Difluoromethylation: Copper-Catalyzed Cross-Coupling and Decarboxylation Sequence from Aryl Iodides. <i>Organic Letters</i> , 2011, 13, 5560-5563.	2.4	293
11	Mechanistic and Computational Studies of Oxidatively-Induced Aryl-CF ₃ Bond-Formation at Pd: Rational Design of Room Temperature Aryl Trifluoromethylation. <i>Journal of the American Chemical Society</i> , 2011, 133, 7577-7584.	6.6	192
12	Palladium-Catalyzed C-H Perfluoroalkylation of Arenes. <i>Organic Letters</i> , 2011, 13, 2548-2551.	2.4	130
13	Copper-Catalyzed C(sp ³)-C(sp ³) Bond Formation Using a Hypervalent Iodine Reagent: An Efficient Allylic Trifluoromethylation. <i>Journal of the American Chemical Society</i> , 2011, 133, 16410-16413.	6.6	439
14	Copper-Catalyzed Trifluoromethylation of Terminal Alkenes through Allylic C-H Bond Activation. <i>Journal of the American Chemical Society</i> , 2011, 133, 15300-15303.	6.6	351
15	Copper-Catalyzed Aromatic Trifluoromethylation via Group Transfer from Fluoral Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1247-1252.	2.1	103
16	Efficient Trifluoromethylation of Activated and Non-Activated Alkenyl Halides by Using (Trifluoromethyl)trimethylsilane. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3044-3048.	2.1	79
18	Investigations into Transition-Metal-Catalyzed Arene Trifluoromethylation Reactions. <i>Synlett</i> , 2012, 23, 2005-2013.	1.0	71
19	Electrophilic Fluoroalkylation of Ni(II) Confused Porphyrins with Fluoroalkylarylsulfonium Salts. <i>Journal of Organic Chemistry</i> , 2012, 77, 3604-3608.	1.7	13

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22	Copper-Promoted Trifluoromethylation of Primary and Secondary Alkylboronic Acids. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12551-12554.	7.2	83
23	Preparation, Structure, and Reactions of Trifluoroacetimidoyl Palladium(II) Complexes. <i>Organometallics</i> , 2012, 31, 1281-1286.	1.1	14
24	Heterocyclization of N-(1-chloro-2,2,2-trifluoroethylidene)carbamates with β -enaminoesters: a novel synthetic strategy to functionalized trifluoromethylated pyrimidines. <i>Tetrahedron</i> , 2012, 68, 8408-8415.	1.0	24
25	Copper-Catalyzed Direct C-H Oxidative Trifluoromethylation of Heteroarenes. <i>Journal of the American Chemical Society</i> , 2012, 134, 1298-1304.	6.6	314
26	Copper-Catalyzed Oxidative Trifluoromethylation of Terminal Alkenes Using Nucleophilic CF_3SiMe_3 : Efficient $\text{C}(\text{sp}^3)\text{-CF}_3$ Bond Formation. <i>Organic Letters</i> , 2012, 14, 2106-2109.	2.4	172
27	Copper-Catalyzed Nucleophilic Trifluoromethylation of Allylic Halides: A Simple Approach to Allylic Trifluoromethylation. <i>Chemistry - A European Journal</i> , 2012, 18, 13255-13258.	1.7	67
28	Progress in Copper-Mediated Formation of Trifluoromethylated Arenes. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6679-6687.	1.2	221
30	Five-Membered Ring Systems. <i>Progress in Heterocyclic Chemistry</i> , 2012, 24, 169-204.	0.5	3
31	Oxygen, sulfur, selenium, tellurium and polonium. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2012, 108, 113.	0.8	0
32	Metal-Free Oxidative Trifluoromethylthiolation of Terminal Alkynes with CF_3SiMe_3 and Elemental Sulfur. <i>Journal of the American Chemical Society</i> , 2012, 134, 12454-12457.	6.6	238
33	Copper-catalyzed olefinic trifluoromethylation of enamides at room temperature. <i>Chemical Science</i> , 2012, 3, 3458.	3.7	247
34	Crystal Structures and Triboluminescence Based on Trifluoromethyl and Pentafluorosulfanyl Substituted Asymmetric <i>N</i> -Phenyl Imide Compounds. <i>Chemistry of Materials</i> , 2012, 24, 671-676.	3.2	98
36	Merging Visible-Light Photocatalysis and Transition-Metal Catalysis in the Copper-Catalyzed Trifluoromethylation of Boronic Acids with CF_3I . <i>Journal of the American Chemical Society</i> , 2012, 134, 9034-9037.	6.6	624
37	Copper-Mediated Aerobic Fluoroalkylation of Arylboronic Acids with Fluoroalkyl Iodides at Room Temperature. <i>Journal of the American Chemical Society</i> , 2012, 134, 6548-6551.	6.6	148
38	Copper-Catalyzed Oxidative Trifluoromethylation of Terminal Alkynes and Aryl Boronic Acids Using (Trifluoromethyl)trimethylsilane. <i>Journal of Organic Chemistry</i> , 2012, 77, 1251-1257.	1.7	161
39	Mechanisms of Nucleophilic Organocopper(I) Reactions. <i>Chemical Reviews</i> , 2012, 112, 2339-2372.	23.0	358
40	Rhenium-Catalyzed Trifluoromethylation of Arenes and Heteroarenes by Hypervalent Iodine Reagents. <i>ACS Catalysis</i> , 2012, 2, 521-527.	5.5	188
41	Recent Developments on the Trifluoromethylation of (Hetero)Arenes. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1744-1754.	1.7	337

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42	Pd(II)-Catalyzed Ortho Trifluoromethylation of Arenes and Insights into the Coordination Mode of Acidic Amide Directing Groups. <i>Journal of the American Chemical Society</i> , 2012, 134, 11948-11951.	6.6	285
43	Metalation of Oxazoles and Benzoxazoles. <i>Topics in Heterocyclic Chemistry</i> , 2012, , 103-154.	0.2	5
44	Palladium-Catalyzed Oxidative Aryltrifluoromethylation of Activated Alkenes at Room Temperature. <i>Journal of the American Chemical Society</i> , 2012, 134, 878-881.	6.6	459
50	<i>Ortho</i>-Trifluoromethylation of Functionalized Aromatic Triazenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3713-3715.	7.2	197
51	Copper-Catalyzed Di- and Trifluoromethylation of α,β -Unsaturated Carboxylic Acids: A Protocol for Vinylic Fluoroalkylations. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3944-3947.	7.2	223
52	Tamed Arene and Heteroarene Trifluoromethylation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5048-5050.	7.2	396
53	Transition-Metal-Free Trifluoromethylaminoxylation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8221-8224.	7.2	327
54	Copper-catalyzed trifluoromethylation of terminal alkynes using Umemoto's reagent. <i>Tetrahedron Letters</i> , 2012, 53, 2769-2772.	0.7	52
55	Me ₃ SiCF ₃ /AgF/Cu: A new reagents combination for selective trifluoromethylation of various organic halides by trifluoromethylcopper, CuCF ₃ . <i>Journal of Fluorine Chemistry</i> , 2012, 133, 67-71.	0.9	64
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60	Introduction of Fluorine and Fluorine-Containing Functional Groups. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8214-8264.	7.2	2,160
61	Development of (2-bromo-1,1,2,2-tetrafluoroethyl)(phenyl)sulfane as tetrafluoroethyl-radical and tetrafluoroethylene-diradical synthons for additions to alkenes. <i>Journal of Fluorine Chemistry</i> , 2013, 156, 307-313.	0.9	13
62	<i>ortho</i>-Perfluoroalkylation and Ethoxycarbonyldifluoromethylation of Aromatic Triazenes. <i>Journal of Organic Chemistry</i> , 2013, 78, 7938-7948.	1.7	68
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64	Metal-mediated radical perfluoroalkylation of organic compounds. <i>Coordination Chemistry Reviews</i> , 2013, 257, 3051-3069.	9.5	119
65	Trifluoromethylation of Aryl and Heteroaryl Halides with Fluoroform-Derived CuCF ₃ : Scope, Limitations, and Mechanistic Features. <i>Journal of Organic Chemistry</i> , 2013, 78, 11126-11146.	1.7	164

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66	Copper-Mediated Deoxygenative Trifluoromethylation of Benzylic Xanthates: Generation of a C-C Bond from an O-Based Electrophile. <i>Chemistry - A European Journal</i> , 2013, 19, 12800-12805.	1.7	41
67	PhI(OAc) ₂ -Mediated Synthesis of 6-(Trifluoromethyl)phenanthridines by Oxidative Cyclization of 2-Isocyanobiphenyls with CF ₃ SiMe ₃ under Metal-Free Conditions. <i>Organic Letters</i> , 2013, 15, 4846-4849.	2.4	178
68	Rapid and Efficient Trifluoromethylation of Aromatic and Heteroaromatic Compounds Using Potassium Trifluoroacetate Enabled by a Flow System. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11628-11631.	7.2	145
69	Copper-Catalyzed Three-Component Oxytrifluoromethylation of Alkenes with Sodium Trifluoromethanesulfinate and Hydroxamic Acid. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14177-14180.	7.2	168
70	Direct Synthesis of a Trifluoromethyl Copper Reagent from Trifluoromethyl Ketones: Application to Trifluoromethylation. <i>Chemistry - A European Journal</i> , 2013, 19, 17692-17697.	1.7	69
73	Isocyanide Insertion: De Novo Synthesis of Trifluoromethylated Phenanthridine Derivatives. <i>Organic Letters</i> , 2013, 15, 5520-5523.	2.4	109
74	Copper-mediated trifluoromethylation of 5-iodotriazole with (trifluoromethyl)trimethylsilane promoted by silver carbonate. <i>Journal of Fluorine Chemistry</i> , 2013, 156, 170-176.	0.9	35
75	Fluorinated Pyridines. , 2013, , 497-516.		1
76	Activation of C-F and Ni-C Bonds of [P,S]-Ligated Nickel Perfluorometallacycles. <i>Organometallics</i> , 2013, 32, 7424-7430.	1.1	30
78	Pd-catalyzed coupling reaction of fluorinated propargyl amidines with aryl iodides. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 41-43.	1.5	11
79	Palladium-Catalyzed Trifluoromethylation of Aromatic C-H Bond Directed by an Acetamino Group. <i>Organic Letters</i> , 2013, 15, 10-13.	2.4	133
80	Copper-catalyzed trifluoromethylation of aryl- and vinylboronic acids with generation of CF ₃ -radicals. <i>Chemical Communications</i> , 2013, 49, 2628.	2.2	170
81	Copper- and Iron-Catalyzed Decarboxylative Tri- and Difluoromethylation of α,β -Unsaturated Carboxylic Acids with CF ₃ SO ₂ Na and (CF ₂ HSO ₂) ₂ Zn via a Radical Process. <i>Organic Letters</i> , 2013, 15, 406-409.	2.4	268
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83	Novel synthesis of 1,4,5-trisubstituted 1,2,3-triazoles via a one-pot three-component reaction of boronic acids, azide, and active methylene ketones. <i>Tetrahedron</i> , 2013, 69, 2352-2356.	1.0	44
84	Silver-Mediated Trifluoromethylation-Iodination of Arynes. <i>Journal of the American Chemical Society</i> , 2013, 135, 2955-2958.	6.6	157
85	Trifluoromethylation of α -Aryl- β , β -diisopropyltriazenes. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 996-1000.	2.1	33
86	Copper-Catalyzed Debenzoylative Monofluoromethylation of Aryl Iodides Assisted by the Removable (2-Pyridyl)sulfonyl Group. <i>ACS Catalysis</i> , 2013, 3, 631-634.	5.5	57

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87	Attachment at Ring Positions. , 2013, , 153-373.		3
88	Silver-catalyzed Hydrotrifluoromethylation of Unactivated Alkenes with CF_3SiMe_3 . <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2198-2202.	7.2	251
89	Copper(i)-catalyzed diastereoselective hydroxytrifluoromethylation of dienes accelerated by phosphine ligands. <i>Chemical Science</i> , 2013, 4, 2478.	3.7	78
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95	Copper-Promoted Sandmeyer Trifluoromethylation Reaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 8436-8439.	6.6	260
96	Silver-catalysed trifluoromethylation of arenes at room temperature. <i>Chemical Communications</i> , 2013, 49, 6385.	2.2	115
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98	Transition-metal-free oxidative trifluoromethylation of unsymmetrical biaryls with trifluoromethanesulfinate. <i>Chemical Communications</i> , 2013, 49, 5510.	2.2	94
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102	Copper-catalyzed Trifluoromethylation-initiated Cyclization of Enynes: Highly Regioselective Construction of Trifluoromethylated Carbocycles and Heterocycles. <i>Chemistry - A European Journal</i> , 2013, 19, 14420-14424.	1.7	74
107	Copper-catalyzed trifluoromethylation of alkenes with an electrophilic trifluoromethylating reagent. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2635-2640.	1.3	48
108	Copper-catalyzed tandem trifluoromethylation/cyclization of internal alkynes. <i>Organic Chemistry Frontiers</i> , 2014, 1, 1280-1284.	2.3	38
109	Copper-Catalyzed Decarboxylative Trifluoromethylation of Propargyl Bromodifluoroacetates. <i>Synthesis</i> , 2014, 46, 1938-1946.	1.2	13

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114	Copper-mediated trifluoromethylation of potassium alkynyltrifluoroborates with Langlois' reagent. <i>Tetrahedron</i> , 2014, 70, 2118-2121.	1.0	22
115	Synthesis of Oxindoles through Silver-Catalyzed Trifluoromethylation, Difluoromethylation and Arylsulfonylation-Cyclization Reaction of α -Arylacrylamides. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3196-3202.	1.2	94
116	Copper-mediated trifluoromethylation of propargyl acetates leading to trifluoromethyl-allenes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2903.	1.5	39
117	Ionic liquid/HCl catalyzed synthesis of 4-(trifluoromethyl)-2(1H)-pyrimidinones. <i>Monatshefte für Chemie</i> , 2014, 145, 797-801.	0.9	3
118	Metal-Free Trifluoromethylation and Arylation of Alkenes: Domino Synthesis of Oxindole Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1021-1028.	2.1	73
119	Silver-Catalyzed Formal Insertion of Arynes into R ₃ C-C Bonds. <i>Chemistry - A European Journal</i> , 2014, 20, 6866-6870.	1.7	60
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121	One-pot synthesis of 3-trifluoromethylbenzofurans via tandem iodocyclization and trifluoromethylation of 2-alkynylanisoles. <i>Tetrahedron Letters</i> , 2014, 55, 1501-1503.	0.7	11
122	Difluoromethylation and trifluoromethylation reagents derived from tetrafluoroethane β -sultone: Synthesis, reactivity and applications. <i>Coordination Chemistry Reviews</i> , 2014, 261, 28-72.	9.5	86
123	On the Feasibility of Nickel-Catalyzed Trifluoromethylation of Aryl Halides. <i>Organometallics</i> , 2014, 33, 6531-6543.	1.1	43
124	Copper-Catalyzed Intramolecular Carbotrifluoromethylation of Alkynes for the Construction of Trifluoromethylated Heterocycles. <i>Chemistry - A European Journal</i> , 2014, 20, 15315-15319.	1.7	41
125	Computational Insights into Nucleophilic Copper-Catalyzed Trifluoromethylation of Aryl Halides. <i>ACS Catalysis</i> , 2014, 4, 4389-4397.	5.5	19
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128	Copper-catalyzed endo-type trifluoromethylarylation of alkynes. <i>Chemical Communications</i> , 2014, 50, 12915-12918.	2.2	61
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130	Cu-Promoted Oxidative Trifluoromethylation of Terminal Alkynes with Difluoromethylene Phosphobetaine. <i>Chinese Journal of Chemistry</i> , 2014, 32, 689-693.	2.6	33

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131	Trifluoromethylation of arenediazonium salts with fluoroform-derived CuCF ₃ in aqueous media. <i>Chemical Communications</i> , 2014, 50, 10237.	2.2	77
132	Copper-Catalyzed Regioselective Oxytrifluoromethylation of Allenes Using a CF ₃ -Transfer Reagent. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2907-2912.	2.1	28
133	A Free-Radical Cascade Trifluoromethylation/Cyclization of <i>N</i> -Arylmethacrylamides and Enynes with Sodium Trifluoromethanesulfinate and Iodine Pentoxide. <i>Organic Letters</i> , 2014, 16, 3688-3691.	2.4	162
134	Exceedingly Fast Copper(II)-Promoted <i>ortho</i> -C-H Trifluoromethylation of Arenes using TMSCF ₃ . <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10439-10442.	7.2	160
135	GPR103 Antagonists Demonstrating Anorexigenic Activity in Vivo: Design and Development of Pyrrolo[2,3- <i>c</i>]pyridines That Mimic the C-Terminal Arg-Phe Motif of QRFP26. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 5935-5948.	2.9	19
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137	Photoredox-Induced Three-Component Azido- and Aminotrifluoromethylation of Alkenes. <i>Organic Letters</i> , 2014, 16, 4340-4343.	2.4	179
138	Fluorine Containing Diazines. <i>Synthesis and Properties</i> , 2014, , 291-575.		3
139	Recent advances in trifluoromethylation of organic compounds using Umemoto's reagents. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6580.	1.5	174
140	Transition-Metal-Free Coupling Reactions. <i>Chemical Reviews</i> , 2014, 114, 9219-9280.	23.0	903
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142	A General, Regiospecific Synthetic Route to Perfluoroalkylated Arenes via Arenediazonium Salts with R ₃ Cu(CH ₃ CN) Complexes. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6303-6309.	1.2	24
144	Copper-Catalyzed One-Pot Trifluoromethylation/Aryl Migration/Carbonyl Formation with Homopropargylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7629-7633.	7.2	135
145	Trifluoromethylation by Visible-Light-Driven Photoredox Catalysis. <i>Topics in Catalysis</i> , 2014, 57, 967-974.	1.3	228
146	Efficient Copper-Catalyzed Trifluoromethylation of Aromatic and Heteroaromatic Iodides: The Beneficial Anchoring Effect of Borates. <i>Organic Letters</i> , 2014, 16, 4268-4271.	2.4	62
147	Fluorinated Imidazoles and Benzimidazoles., 2014, , 323-367.		2
148	Direct Synthesis of α -Trifluoromethyl Ketone from (Hetero)arylacetylene: Design, Intermediate Trapping, and Mechanistic Investigations. <i>Organic Letters</i> , 2014, 16, 4524-4527.	2.4	117
149	Direct Fluoroalkylation of Indoles with Fluoroalkyl Halides Mediated by Copper. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4258-4263.	1.2	30

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151	Recent advance in transition-metal-mediated trifluoromethylation for the construction of C(sp ³)–CF ₃ bonds. <i>Tetrahedron Letters</i> , 2014, 55, 585-594.	0.7	138
153	C-H Trifluoromethylations of 1,3-Dimethyluracil and Reactivity of the Products in C-H Arylations. <i>Heterocycles</i> , 2014, 89, 1159.	0.4	9
154	Trifluoromethyl-Substituted Sulfonium Ylide: Rh-Catalyzed Carbenoid Addition to Trifluoromethylthioether. <i>Organic Letters</i> , 2015, 17, 2752-2755.	2.4	67
155	Copper-catalyzed trifluoromethylation of organic zinc reagents with an electrophilic trifluoromethylating reagent. <i>RSC Advances</i> , 2015, 5, 24783-24787.	1.7	7
156	Synthesis of trifluoromethylated compounds from alcohols via alkoxydiphenylphosphines. <i>Journal of Fluorine Chemistry</i> , 2015, 178, 254-259.	0.9	8
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