

# Binaphthol-derived phosphoric acid as a versatile cataly carbonâ€“carbon bond forming reactions

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Phosphonium Salt Organocatalysis. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1469-1481.	2.1	219
3	Stereoselective synthesis and characterization of new enantiomerically pure phosphoric acids. <i>Chirality</i> , 2010, 22, 369-378.	1.3	4
5	Enantioselective Synthesis of Fluorene Derivatives by Chiral Phosphoric Acid Catalyzed Tandem Double Friedel-Crafts Reaction. <i>Chemistry - A European Journal</i> , 2009, 15, 8709-8712.	1.7	155
6	Chiral Brønsted Acid-Catalyzed Enantioselective Arylation of Ethyl Trifluoroacetate and Ethyl Trifluoropyruvate. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3145-3149.	1.2	59
16	Activation of Hemiaminal Ethers by Chiral Brønsted Acids for Facile Access to Enantioselective Two-Carbon Homologation Using Enecarbamates. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2553-2556.	7.2	108
17	Enantioselective Robinson-Type Annulation Reaction Catalyzed by Chiral Phosphoric Acids. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4226-4228.	7.2	114
18	A Powerful Chiral Counteranion Motif for Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4363-4366.	7.2	257
19	Catalytic Functionalization of Indoles in a New Dimension. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9608-9644.	7.2	1,246
20	Axial Chirality Control of Gold(biphep) Complexes by Chiral Anions: Application to Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6073-6077.	7.2	164
21	Brønsted Acid Catalyzed Enantioselective Three-Component Reaction Involving the $\alpha$ -Addition of Isocyanides to Imines. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6717-6721.	7.2	161
22	Asymmetric Construction of Polycyclic Indoles through Olefin Cross-Metathesis/Intramolecular Friedel-Crafts Alkylation under Sequential Catalysis. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7428-7431.	7.2	172
23	Brønsted Acid Catalyzed Enantioselective Semipinacol Rearrangement for the Synthesis of Chiral Spiroethers. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8572-8574.	7.2	195
24	A Catalytic Asymmetric $\alpha$ -Electrocyclization: Enantioselective Synthesis of $\beta$ -Pyrazolines. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9975-9978.	7.2	119
25	Chiral Phosphoric Acid Catalyzed Desymmetrization of <i>meso</i> -1,3-Diones: Asymmetric Synthesis of Chiral Cyclohexenones. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9652-9654.	7.2	112
26	Synthesis of BINOL derived phosphorodithioic acids as new chiral Brønsted acids and an improved synthesis of 3,3'-disubstituted H8-BINOL derivatives. <i>Tetrahedron</i> , 2009, 65, 10617-10622.	1.0	35
27	Enantioselective aldol reaction of silyl ketene acetals promoted by a Lewis base-activated Lewis acid catalyst. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1369-1370.	1.8	33
28	Enantioselective radical addition reactions to imines using binaphthol-derived chiral N-triflyl phosphoramides. <i>Tetrahedron Letters</i> , 2009, 50, 3345-3348.	0.7	54
29	A new Brønsted acid derived from squaric acid and its application to Mukaiyama aldol and Michael reactions. <i>Tetrahedron Letters</i> , 2009, 50, 3555-3558.	0.7	24

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30	Consecutive Intramolecular Hydroamination/Asymmetric Transfer Hydrogenation under Relay Catalysis of an Achiral Gold Complex/Chiral Brønsted Acid Binary System. <i>Journal of the American Chemical Society</i> , 2009, 131, 9182-9183.	6.6	361
31	Highly Enantioselective Ketone-Ene Reactions of Trifluoropyruvate: Significant Counterion Effect of the In(III)-PyBox Complex. <i>Organic Letters</i> , 2009, 11, 5714-5716.	2.4	38
32	Chiral Brønsted Acid-Catalyzed Enantioselective $\alpha$ -Hydroxylation of $\beta$ -Dicarbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2009, 131, 4562-4563.	6.6	166
33	Chiral Phosphoric Acid-Catalyzed Desymmetrization of meso-Aziridines with Functionalized Mercaptans. <i>Organic Letters</i> , 2009, 11, 5186-5189.	2.4	80
34	Highly Enantioselective Alkylation Reaction of Enamides by Brønsted-Acid Catalysis. <i>Organic Letters</i> , 2009, 11, 4620-4623.	2.4	221
35	Enantioselective Aza-Darzens Reaction Catalyzed by A Chiral Phosphoric Acid. <i>Organic Letters</i> , 2009, 11, 2445-2447.	2.4	132
36	DFT Study on Bifunctional Chiral Brønsted Acid-Catalyzed Asymmetric Hydrophosphonylation of Imines. <i>Journal of Organic Chemistry</i> , 2009, 74, 3266-3271.	1.7	82
37	Metal-Free Brønsted Acid Catalyzed Formal [3 + 3] Annulation. Straightforward Synthesis of Dihydro-2 <i>H</i> -Chromenones, Pyranones, and Tetrahydroquinolinones. <i>Journal of Organic Chemistry</i> , 2009, 74, 8963-8973.	1.7	68
38	Double Bond Isomerization/Enantioselective Aza-Petasis-Ferrier Rearrangement Sequence as an Efficient Entry to Anti- and Enantioenriched $\beta$ -Amino Aldehydes. <i>Journal of the American Chemical Society</i> , 2009, 131, 6354-6355.	6.6	137
39	Mechanism of BINOL-Phosphoric Acid-Catalyzed Strecker Reaction of Benzyl Imines. <i>Journal of the American Chemical Society</i> , 2009, 131, 4070-4077.	6.6	105
40	Chiral Arylamino-phosphonium Barfates as a New Class of Charged Brønsted Acid for the Enantioselective Activation of Nonionic Lewis Bases. <i>Journal of the American Chemical Society</i> , 2009, 131, 7242-7243.	6.6	112
41	Benzothiazoline: Highly Efficient Reducing Agent for the Enantioselective Organocatalytic Transfer Hydrogenation of Ketimines. <i>Organic Letters</i> , 2009, 11, 4180-4183.	2.4	161
42	Catalytic Asymmetric Passerini-Type Reaction: Chiral Aluminum-Organophosphate-Catalyzed Enantioselective $\alpha$ -Addition of Isocyanides to Aldehydes. <i>Journal of Organic Chemistry</i> , 2009, 74, 8396-8399.	1.7	111
43	Highly Enantioselective Catalytic 1,3-Dipolar Cycloaddition Involving 2,3-Alloenoate Dipolarophiles. <i>Organic Letters</i> , 2009, 11, 4946-4949.	2.4	112
44	Chiral Brønsted Acid-Catalyzed Asymmetric Friedel-Crafts Alkylation of Pyrroles with Nitroolefins. <i>Journal of Organic Chemistry</i> , 2009, 74, 6899-6901.	1.7	105
45	Chiral Pd aqua complex-catalyzed asymmetric C-C bond-forming reactions: a Brønsted acid-base cooperative system. <i>Chemical Communications</i> , 2009, , 5787.	2.2	47
46	Gold-Catalyzed [4C+2C] Cycloadditions of Allenedienes, including an Enantioselective Version with New Phosphoramidite-Based Catalysts: Mechanistic Aspects of the Divergence between [4C+3C] and [4C+2C] Pathways. <i>Journal of the American Chemical Society</i> , 2009, 131, 13020-13030.	6.6	258
47	Chiral Brønsted Acid-Catalyzed Enantioselective Multicomponent Mannich Reaction: Synthesis of anti-1,3-Diamines Using Enecarbamates as Nucleophiles. <i>Organic Letters</i> , 2009, 11, 5546-5549.	2.4	116

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49	Amide-based bifunctional organocatalysts in asymmetric reactions. <i>Chemical Communications</i> , 2009, , 6145.	2.2	193
50	A perfect double role of CF <sub>3</sub> groups in activating substrates and stabilizing adducts: the chiral Brønsted acid-catalyzed direct arylation of trifluoromethyl ketones. <i>Chemical Communications</i> , 2009, , 2356.	2.2	101
51	Enantioselective Direct Aldol-Type Reaction of Azlactone via Protonation of Vinyl Ethers by a Chiral Brønsted Acid Catalyst. <i>Journal of the American Chemical Society</i> , 2009, 131, 3430-3431.	6.6	195
52	Chiral Phosphoric Acid-Governed Anti-Diastereoselective and Enantioselective Hetero-Diels-Alder Reaction of Glyoxylate. <i>Journal of the American Chemical Society</i> , 2009, 131, 12882-12883.	6.6	101
53	Highly Enantioselective Organocatalytic Biginelli and Biginelli-Like Condensations: Reversal of the Stereochemistry by Tuning the 3,3-Disubstituents of Phosphoric Acids. <i>Journal of the American Chemical Society</i> , 2009, 131, 15301-15310.	6.6	180
54	Highly Enantioselective Hydrogenation of Enamides Catalyzed by Chiral Phosphoric Acids. <i>Organic Letters</i> , 2009, 11, 1075-1078.	2.4	129
55	Asymmetric Friedel-Crafts Alkylation of Indole with Chalcones Catalyzed by Chiral Phosphoric Acids. <i>Molecules</i> , 2009, 14, 3030-3036.	1.7	24
56	Development of Chiral Thiourea Catalysts and Its Application to Asymmetric Catalytic Reactions. <i>Chemical and Pharmaceutical Bulletin</i> , 2010, 58, 593-601.	0.6	390
57	Chiral Phosphoric Acids as Versatile Catalysts for Enantioselective Carbon-Carbon Bond Forming Reactions. <i>Bulletin of the Chemical Society of Japan</i> , 2010, 83, 101-119.	2.0	203
58	Enantioselective Friedel-Crafts Alkylation of Indoles, Pyrroles, and Furans with Trifluoropyruvate Catalyzed by Chiral Phosphoric Acid. <i>Chemistry - an Asian Journal</i> , 2010, 5, 470-472.	1.7	62
59	Enantioselective 6-endo-trig Electro-cyclizations: Pushing the Limits in Organocatalytic Pericyclic Reactions. <i>ChemCatChem</i> , 2010, 2, 375-378.	1.8	15
60	Chiral Brønsted Acid Catalyzed Enantioselective Addition of $\alpha$ -Isocyanoacetamides to Aldehydes. <i>Organic Letters</i> , 2010, 12, 2414-2417.	2.4	50
61	Brønsted Acid Catalyzed Asymmetric Aldol Reaction: A Complementary Approach to Enamine Catalysis. <i>Organic Letters</i> , 2010, 12, 3582-3585.	2.4	92
62	Exploration of the interrupted Fischer indolization reaction. <i>Tetrahedron</i> , 2010, 66, 4687-4695.	1.0	99
63	Asymmetric intramolecular oxa-Michael addition of activated $\alpha,\beta$ -unsaturated ketones by chiral N-triflyl phosphoramidate. <i>Science Bulletin</i> , 2010, 55, 1723-1725.	1.7	17
64	Charge-Transfer Effect on Chiral Phosphoric Acid Catalyzed Asymmetric Baeyer-Villiger Oxidation of 3-Substituted Cyclobutanones Using 30% Aqueous H <sub>2</sub> O <sub>2</sub> as the Oxidant. <i>Chinese Journal of Chemistry</i> , 2010, 28, 1731-1735.	2.6	18
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66	Electron-Withdrawing, Biphenyl-2,2'-diol-Based Compounds for Asymmetric Catalysis. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 3027-3031.	1.2	21
67	Enantioselective Organocatalytic Transfer Hydrogenation of $\alpha$ -Amino Esters by Utilization of Benzothiazoline as Highly Efficient Reducing Agent. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1846-1850.	2.1	92
68	Chiral Brønsted Acid-Catalyzed Enantioselective Friedel-Crafts Reaction of 4,7-Dihydroindoles with Trifluoromethyl Ketones. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2773-2777.	2.1	39
69	First Highly Enantioselective Synthesis of Benzodiazepinones by Catalytic Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2629-2634.	2.1	69
70	Catalytic Asymmetric Inverse-Electron-Demand (IED) [4+2] Cycloaddition of Salicylaldimines: Preparation of Optically Active 4-Aminobenzopyran Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3399-3406.	2.1	52
73	The Brønsted Acid Catalyzed, Enantioselective Vinylogous Mannich Reaction. <i>Chemistry - A European Journal</i> , 2010, 16, 2806-2818.	1.7	77
74	Mechanistic Investigation of Chiral Phosphoric Acid Catalyzed Asymmetric Baeyer-Villiger Reaction of 3-Substituted Cyclobutanones with $H_2O_2$ as the Oxidant. <i>Chemistry - A European Journal</i> , 2010, 16, 3021-3035.	1.7	95
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76	A 4-Hydroxypyrrolidine-Catalyzed Mannich Reaction of Aldehydes: Control of <i>anti</i> -Selectivity by Hydrogen Bonding Assisted by Brønsted Acids. <i>Chemistry - A European Journal</i> , 2010, 16, 5333-5342.	1.7	26
77	Synthesis and Structural Aspects of <i>N</i> -Triflylphosphoramides and Their Calcium Salts: Highly Acidic and Effective Brønsted Acids. <i>Chemistry - A European Journal</i> , 2010, 16, 13116-13126.	1.7	95
78	Organocatalytic Asymmetric Synthesis of <i>trans</i> -1,3-Disubstituted Tetrahydroisoquinolines via a Reductive Amination/Aza-Michael Sequence. <i>Chemistry - A European Journal</i> , 2010, 16, 9763-9766.	1.7	83
88	To Protonate or Alkylate? Stereoselective Brønsted Acid Catalysis of $C\ddot{C}$ Bond Formation Using Diazoalkanes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2290-2298.	7.2	83
89	Asymmetric Counteranion-Directed Transition-Metal Catalysis: Enantioselective Epoxidation of Alkenes with Manganese(III) Salen Phosphate Complexes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 628-631.	7.2	180
90	A New Structural Motif for Bifunctional Brønsted Acid/Base Organocatalysis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4136-4139.	7.2	62
91	Which Is the Actual Catalyst: Chiral Phosphoric Acid or Chiral Calcium Phosphate?. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3823-3826.	7.2	222
92	Catalytic Asymmetric Reductive Amination of $\beta$ -Branched Ketones. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4612-4614.	7.2	146
93	Asymmetric Amplification in Phosphoric Acid Catalyzed Reactions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6378-6381.	7.2	42
94	Chiral Brønsted Acid Catalyzed Enantioselective $\alpha$ -Aminoxylation of Encarbamates. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8588-8592.	7.2	60

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95	Chiral Phosphoric Acid Catalyzed Peroxidation of Imines. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6589-6591.	7.2	77
96	Chiral Brønsted Acid Catalyzed Pinacol Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9734-9736.	7.2	118
97	A theoretical investigation into chiral phosphoric acid-catalyzed asymmetric Friedel-Crafts reactions of nitroolefins and 4,7-dihydroindoles: reactivity and enantioselectivity. <i>Tetrahedron</i> , 2010, 66, 2875-2880.	1.0	46
98	Development of N,N-bis(perfluoroalkanesulfonyl)squaramides as new strong Brønsted acids and their application to organic reactions. <i>Tetrahedron</i> , 2010, 66, 4257-4264.	1.0	28
99	Synthesis of chiral 3,3'-disubstituted 1,1'-binaphthyl-2,2'-disulfonic acids. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1311-1314.	1.8	17
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103	Convenient synthesis of chiral H4-BINOL via direct hydrogenation of BINOL. <i>Chinese Chemical Letters</i> , 2010, 21, 1277-1280.	4.8	0
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106	Chiral Phosphoric Acid-Catalyzed Enantioselective Transfer Hydrogenation of <i>ortho</i> -Hydroxyaryl Alkyl N-H Ketimines. <i>Organic Letters</i> , 2010, 12, 4705-4707.	2.4	76
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110	Desymmetrization of Cyclohexadienones via Brønsted Acid-Catalyzed Enantioselective Oxo-Michael Reaction. <i>Journal of the American Chemical Society</i> , 2010, 132, 4056-4057.	6.6	244
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112	Enantioselective Synthesis of 2-Aryl-2,3-dihydro-4-quinolones by Chiral Brønsted Acid Catalyzed Intramolecular Aza-Michael Addition Reaction. <i>Heterocycles</i> , 2010, 80, 765.	0.4	38

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114	Chiral Brønsted Acid-Catalyzed Allylboration of Aldehydes. <i>Journal of the American Chemical Society</i> , 2010, 132, 11884-11886.	6.6	237
115	Chiral Phosphoric Acid Catalyzed Addition of Dihydropyrans to <i>N</i> -Acyl Imines: Stereocontrolled Access to Enantioenriched Spirocyclic Oxazoletetrahydropyrans with Three Contiguous Stereocenters. <i>Organic Letters</i> , 2010, 12, 1960-1963.	2.4	36
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122	Brønsted acid-catalyzed efficient Strecker reaction of ketones, amines and trimethylsilyl cyanide. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1399.	1.5	68
123	<i>N</i> -Triflylthiophosphoramidate Catalyzed Enantioselective Mukaiyama Aldol Reaction of Aldehydes with Silyl Enol Ethers of Ketones. <i>Organic Letters</i> , 2010, 12, 2476-2479.	2.4	76
124	Synthesis of 3-substituted indoles via reactive alkylideneindolenine intermediates. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1259-1270.	1.5	178
125	Enantioselective Friedel-Crafts alkylation reaction of indoles with $\hat{I}^2$ -unsaturated acyl phosphonates catalyzed by chiral phosphoric acid. <i>Chemical Communications</i> , 2010, 46, 4112.	2.2	56
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132	Organocatalytic asymmetric intramolecular [3+2] cycloaddition: A straightforward approach to access multiply substituted hexahydrochromeno[4,3-b]pyrrolidine derivatives in high optical purity. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2016.	1.5	47
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134	Chiral selection in the formation of borates from racemic binaphthols and related diols. <i>CrystEngComm</i> , 2011, 13, 2923.	1.3	8
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138	Convergent Asymmetric Disproportionation Reactions: Metal/Brønsted Acid Relay Catalysis for Enantioselective Reduction of Quinoxalines. <i>Journal of the American Chemical Society</i> , 2011, 133, 6126-6129.	6.6	198
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140	Diastereoselectively Switchable Enantioselective Trapping of Carbamate Ammonium Ylides with Imines. <i>Journal of the American Chemical Society</i> , 2011, 133, 8428-8431.	6.6	215
141	Chiral Phosphoric Acid Catalyzed Enantioselective Aza-Michael Addition of Aromatic Amines to Nitroolefins. <i>Chinese Journal of Catalysis</i> , 2011, 32, 1573-1576.	6.9	12
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144	Chiral Calcium VAPOL Phosphate Mediated Asymmetric Chlorination and Michael Reactions of 3-Substituted Oxindoles. <i>Journal of the American Chemical Society</i> , 2011, 133, 3339-3341.	6.6	175
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925	Design and Organocatalytic Asymmetric Synthesis of Indolyl-Pyrroloindoles Bearing Both Axial and Central Chirality. Journal of Organic Chemistry, 2023, 88, 7684-7702.	1.7	22
926	Enantioselective Construction of Triaryl-Substituted All-Carbon Quaternary Stereocenter via Organocatalytic Arylation of Oxindoles with Azonaphthalenes. Chemical Science, 0, , .	3.7	1
927	Organocatalytic Enantioselective Synthesis of Axially Chiral <i>N</i> , <i>N'</i> -Bisindoles. Angewandte Chemie, 2023, 135, .	1.6	1
928	Organocatalytic Enantioselective Synthesis of Axially Chiral <i>N</i> , <i>N'</i> -Bisindoles. Angewandte Chemie - International Edition, 2023, 62, .	7.2	54
929	Asymmetric Construction of $\hat{\pm}$ -Disubstituted Piperazinones Enabled by Benzilic Amide Rearrangement. Angewandte Chemie - International Edition, 2023, 62, .	7.2	12
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