1-(2,4,6-Tri-tert-butylphenyl)-3-methylphosphole:Â A P
Phosphorus Pyramid Having Pronounced Characteristi

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#	Article	IF	Citations
1	Halogenation of 1â€Ethoxyâ€1â€oxophosphindolinâ€3â€one, a Potential Phosphaindigo Precursor. Chemische Berichte, 1997, 130, 1765-1770.	0.2	3
3	Study of the planarization of the tricordinate phosphorus in phospholes; photoelectron spectra and structure of partially planarized phospholes. Journal of Organometallic Chemistry, 1998, 566, 29-35.	1.8	37
4	Phosphindolizine: a compound with planar phosphorus. New Journal of Chemistry, 1998, 22, 651-654.	2.8	23
5	The Aromaticity of Polyphosphaphospholes Decreases with the Pyramidality of the Tricoordinate Phosphorus. Inorganic Chemistry, 1998, 37, 4413-4420.	4.0	107
6	Synthesis and Characterization of Palladium(II)-Phosphole and -Biphosphole Complexes. Regulation of the Homoleptic Coordination Environment of Square-Planar Palladium(II). Bulletin of the Chemical Society of Japan, 1998, 71, 2885-2892.	3.2	5
7	Platinum Complexes of Phospholes with Reduced Pyramidal Character. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 147, 157-157.	1.6	0
8	Coordination chemistry and hydroformylation activity of platinum complexes containing 1-aryl-phospholes. Journal of Organometallic Chemistry, 1999, 586, 79-84.	1.8	38
9	1-(2,4,6-Tri-tertiarybutylphenyl)-3,5-di-tert-butyl-1,2,4-triphosphole: a possibly stable, fully aromatic, compound with planar tricoordinate phosphorus. Journal of Organometallic Chemistry, 1999, 588, 28-31.	1.8	13
10	Platinum Complexes of Phospholes with Reduced Pyramidal Character from Steric Crowding. Inorganic Chemistry, 1999, 38, 831-833.	4.0	32
11	Synthesis of 2H-1,2-Azaphosphole Complexes by [3 + 2] Cycloaddition of Nitrilium Phosphaneâ^'Ylide Complexes with Various Alkynes:â€‰ Studies of the C-Substituent and Metal Effects on the Reaction Course. Organometallics, 1999, 18, 5627-5642.	2.3	35
12	Diels-Alder reaction of (2,4,6-trialkylphenyl)phospholes withN-phenylmaleimide. Heteroatom Chemistry, 2000, 11, 271-275.	0.7	16
13	Sterically promoted zirconiumâ€“phosphorus Ï€-bonding: structural investigations of [Cp2Zr(Cl){P(H)Dmp}] and [Cp2Zr{P(H)Dmp}2] (Dmp=2,6-Mes2C6H3). Inorganica Chimica Acta, 2000, 297, 181-190.	2.4	23
14	Aromatic Compounds with Planar Tricoordinate Phosphorus. Tetrahedron, 2000, 56, 79-84.	1.9	70
15	Convenient route for the preparation of unsymmetrical phospholes via zirconacyclopentadienes. Journal of Organometallic Chemistry, 2000, 595, 261-267.	1.8	20
16	Theoretical Study of the Structureâ^'Property Relationship in Phosphole Monomers. Journal of Organic Chemistry, 2000, 65, 2631-2636.	3.2	68
17	A new reaction of arylphospholes: site-selective phosphorylation through reaction with phosphorus tribromide. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 1495-1496.	1.3	14
18	A new reaction of 1-(2,4,6-trialkylphenyl)phospholes with heteroaromatic character; aromatic electrophilic substitution under the conditions of Friedelâ€“Crafts acylation. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 2895-2897.	1.3	18
19	Five-membered rings. Phospholes. , 2001, , 307-362.		8

#	Article	IF	Citations
20	Aromaticity of Phosphorus Heterocycles. Chemical Reviews, 2001, 101, 1229-1246.	47.7	368
21	Quantitative Measures of Aromaticity for Mono-, Bi-, and Tricyclic Penta- and Hexaatomic Heteroaromatic Ring Systems and Their Interrelationships. Chemical Reviews, 2001, 101, 1421-1450.	47.7	291
22	Synthesis and characterization of manganese complexes of the dibenzophospholyl ligand. Canadian Journal of Chemistry, 2001, 79, 1321-1329.	1.1	18
23	Synthesis and Characterization of a Novel Chiral Phosphole and Its Derivatives. Organometallics, 2001, 20, 1014-1019.	2.3	49
24	Enhancing the Dienic Reactivity of Phospholes:Â An Improved Access to Trivalent 7-Phosphanorbornenes. Journal of Organic Chemistry, 2001, 66, 755-758.	3.2	54
25	Recovering phospholes from phosphacymantrenes. Journal of Organometallic Chemistry, 2001, 634, 131-135.	1.8	22
26	The synthesis of six-membered P-heterocycles with sterically demanding substituent on the phosphorus atom. Heteroatom Chemistry, 2001, 12, 528-533.	0.7	6
27	Competitive [4 + 2] cycloadditions in equimolar mixtures of 1-arylphosphole oxides. Heteroatom Chemistry, 2001, 12, 633-635.	0.7	12
28	De-aromatizing Phosphole. Journal of Organic Chemistry, 2002, 67, 1208-1213.	3.2	76
29	The Dual Reactivity of 1-(2,4,6-Trialkylphenyl)phospholes Having a Flattened P-Pyramid. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 1991-1992.	1.6	1
30	endo and exo Ring fusion in the Dielsâ€“Alder reaction of 1-(2,4,6-trialkylphenyl-)3-methylphospholes with maleic acid derivatives. Tetrahedron, 2002, 58, 9801-9808.	1.9	12
31	Site-selective phosphorylation of arylphospholes through reaction with phosphorus tribromide. Journal of Organometallic Chemistry, 2002, 643-644, 32-38.	1.8	11
32	2,4,6-Trialkylphenyl-2H-phospholes from slightly aromatic 1H-phospholes and their use in [4 + 2] cycloaddition reactions. Heteroatom Chemistry, 2003, 14, 316-319.	0.7	14
33	To What Extent Can Nine-Membered Monocycles Be Aromatic?. European Journal of Organic Chemistry, 2003, 2003, 1923-1930.	2.4	23
34	Phosphaorganische Chemie: Panorama und Perspektiven. Angewandte Chemie, 2003, 115, 1616-1643.	2.0	195
35	Phospha-Organic Chemistry: Panorama and Perspectives. Angewandte Chemie - International Edition, 2003, 42, 1578-1604.	13.8	575
36	Hydroformylation of styrene in the presence of rhodium-2,4,6-trialkylphenyl-phosphole in situ catalytic systems. Journal of Molecular Catalysis A, 2003, 200, 131-136.	4.8	32
37	Linear organic Ï€-conjugated systems featuring the heavy Group 14 and 15 elements. Coordination Chemistry Reviews, 2003, 244, 1-44.	18.8	324

#	Article	IF	Citations
38	Organometallic Complexes of Benzannelated Phospholyls:â€‰ Synthesis and Characterization of Benzophospholyl and the First iso-Benzophospholyl Metal Complexes. Organometallics, 2004, 23, 3683-3693.	2.3	33
39	Synthesis of 1â€Arylâ€1,2,3,4,5,6â€hexahydrophosphinine 1â€Oxides. Synthetic Communications, 2004, 34, 4159-4169.	2.1	5
40	Aromaticity as a Cornerstone of Heterocyclic Chemistry. Chemical Reviews, 2004, 104, 2777-2812.	47.7	662
41	New P-ligands: The aromaticity and reactivity of 2,4,6-trialkylphenylphospholes. Heteroatom Chemistry, 2005, 16, 104-110.	0.7	16
42	â€œESHC (sopron) plenary lectureâ€•exciting fields in P-heterocyclic chemistry. Journal of Heterocyclic Chemistry, 2005, 42, 451-462.	2.6	4
43	A Straightforward Synthesis of 3-Acylphospholes. Organic Letters, 2005, 7, 4511-4513.	4.6	8
44	Organophosphorus Ï€-Conjugated Materials. Chemical Reviews, 2006, 106, 4681-4727.	47.7	965
45	Theoretical Investigation of the (Hyper)polarizabilities of Pyrrole Homologues C4H4XH (X = N, P, As,) Tj ETQq1 1 0.784314 rgBT /Over 110, 5909-5918.	2.5	38
46	Synthesis of 2,5-Bis(binaphthyl)phospholes and Phosphametallocene Derivatives and Their Application in Palladium-Catalyzed Asymmetric Hydrosilylation. Organometallics, 2006, 25, 2715-2718.	2.3	74
47	Aromatic 1H-[1,2]Diphosphole with a Planar Tricoordinated Phosphorus, Plus Î·²-Coordination Mode between Ruthenium(0) and a Phosphaalkene. Organometallics, 2007, 26, 5050-5058.	2.3	23
48	Why are Phosphole Oxides Unstable? The Phenomenon of Antiaromaticity as a Destabilizing Factor. European Journal of Organic Chemistry, 2007, 2007, 4765-4771.	2.4	23
49	The important role of the phosphorus lone pair in phosphole aromaticity. Heteroatom Chemistry, 2007, 18, 754-758.	0.7	28
50	Magnetotropicity of phosphole and its arsenic analogue. Theoretical Chemistry Accounts, 2007, 118, 89-97.	1.4	16
51	Rh complexes of 1-(2,4,6-triisopropylphenyl-)3-methyl-1H-phosphole: preparation and use as catalysts in the hydroformylation of styrene. Transition Metal Chemistry, 2007, 32, 299-303.	1.4	13
52	Phospholes. , 2008, , 1029-1147.		17
53	Dual Supermesityl Stabilization: 1-Alkyl-1H-[1,2,4]triphospholes, with Among the Most Planar and Least Sterically Hindered Ïƒ³,Î»³-Phosphorus Atoms, and Novel C₂P₃S₄ Folded Heterocycles. Organometallics, 2008, 27, 5118-5121.	2.3	5
54	Aromatic Phosphorus Heterocycles. Topics in Heterocyclic Chemistry, 2009, , 27-81.	0.2	49
55	1-(2,4,6-Trialkylphenyl)-1H-Phospholes with a Flattened P-Pyramid: Synthesis and Reactivity. Topics in Heterocyclic Chemistry, 2010, , 149-173.	0.2	7

#	Article	IF	Citations
57	Synthesis of a 1-boratabenzene-(2,3,4,5-tetramethylphosphole): towards a planar monophosphole. Chemical Communications, 2010, 46, 6816.	4.1	30
58	Ladder-TypeP,S-Bridgedtrans-Stilbenes. Inorganic Chemistry, 2011, 50, 8516-8523.	4.0	31
59	Application of Electron Delocalization Indicators in the Study of Electrophilic Aromatic Substitution Reactions. Current Organic Chemistry, 2011, 15, 3627-3651.	1.6	5
60	Analogy between sulfuryl and phosphino groups: the aromaticity of thiophene-oxide. Structural Chemistry, 2011, 22, 1385-1392.	2.0	12
61	A MP2 and DFT study of the aromatic character of polyphosphaphospholes. Is the pyramidality the only factor to take into consideration?. Journal of Molecular Modeling, 2011, 17, 1267-1272.	1.8	14
63	A MP2 and DFT study of the influence of complexation on the aromatic character of phosphole. Journal of Molecular Modeling, 2012, 18, 765-770.	1.8	2
64	Bis(azidophenyl)phosphole Building Block for Extended Ï€â€Conjugated Systems. European Journal of Organic Chemistry, 2012, 2012, 6711-6721.	2.4	12
65	15N and 31P NMR Coordination Shifts in Transition Metal Complexes with Nitrogen- and Phosphorus-Containing Heterocycles. Annual Reports on NMR Spectroscopy, 2013, 80, 33-179.	1.5	28
66	Phospholes â€“ Development and Recent Advances. Mendeleev Communications, 2013, 23, 117-130.	1.6	65
67	Theoretical studies on the intramolecular cyclization of 2,4,6-‹i›t‹/i›-Bu‹sub›3‹/sub›C‹sub›6‹/sub›H‹sub›2‹/sub›P=C: and effects of conjugation between the P=C and aromatic moieties. Beilstein Journal of Organic Chemistry, 2014, 10, 1032-1036.	2.2	4
68	Meet the Editorial Board:. Letters in Drug Design and Discovery, 2014, 12, 6-6.	0.7	0
69	Microwave-Assisted Synthesis of P-Heterocycles*. Phosphorus, Sulfur and Silicon and the Related Elements, 2014, 189, 1266-1278.	1.6	10
70	Meet the Editor:. Current Green Chemistry, 2015, 2, 215-216.	1.1	0
71	Meet the Editorial Board. Current Organic Synthesis, 2015, 12, 109-109.	1.3	0
72	Application of Microwave Irradiation in the Synthesis of P-Heterocycles. , 2015, , 559-570.		12
73	Phosphole-based ligands in catalysis. Catalysis Science and Technology, 2015, 5, 4289-4323.	4.1	49
74	Electronic modification of redox active ferrocenyl termini and their influence on the electrontransfer properties of 2,5-diferrocenyl- N -phenyl-1 H -pyrroles. Journal of Organometallic Chemistry, 2015, 792, 37-45.	1.8	31
75	Influence of Pâ€Bonded Bulky Substituents on Electronic Interactions in Ferrocenylâ€Substituted Phospholes. Chemistry - A European Journal, 2015, 21, 11545-11559.	3.3	39

#	Article	IF	Citations
76	Transition-Metal Carbonyl Complexes of 2,5-Diferrocenyl-1-phenyl-1H-phosphole. Organometallics, 2015, 34, 4293-4304.	2.3	33
77	Organophosphorus Compounds in Organic Electronics. Chemistry - A European Journal, 2016, 22, 10718-10735.	3.3	195
78	Ï€-Conjugated phospholes and their incorporation into devices: components with a great deal of potential. Chemical Society Reviews, 2016, 45, 5296-5310.	38.1	216
79	Electronic interactions in gold(I) complexes of 2,5-diferrocenyl-1-phenyl-1H-phosphole. Journal of Organometallic Chemistry, 2016, 803, 104-110.	1.8	17
80	Planar lithium silolide: aromaticity, with significant contribution of non-classical resonance structures. Chemical Communications, 2017, 53, 11064-11067.	4.1	16
82	Synthesis and crystal structure of an acetylenic ferrocenyl substituted phosphaalkene. Inorganica Chimica Acta, 2018, 471, 741-745.	2.4	7
83	Meet Our Editor-in-Chief. Current Organic Chemistry, 2018, 22, 1861-1861.	1.6	0
84	Heterocycles Derived from Generating Monovalent Pnictogens within NCN Pincers and Bidentate NC Chelates: Hypervalency versus Bell-Clappers versus Static Aromatics. Organometallics, 2018, 37, 2481-2490.	2.3	33
85	[â€‹4+2] versus [â€‹2+2] Homodimerization in P(V) Derivatives of 2,4-Disubstituted Phospholes. Heteroatom Chemistry, 2019, 2019, 1-10.	0.7	1
86	1,2-(Benz)Azaphospholes: A Slow Beginning to a Bright Future. Comments on Inorganic Chemistry, 2020, 40, 25-51.	5.2	3
87	Phospholes, benzannulated forms, and analogs. , 2020, , 565-690.		0
88	Application of microwave irradiation in the synthesis of P-heterocycles. , 2021, , 111-142.		1
89	Isolable Phospha- and Arsaalumenes. Journal of the American Chemical Society, 2021, 143, 4106-4111.	13.7	53
90	Reductive Rearrangement of a 1â€Phosphaâ€2â€azanorbornene. Chemistry - A European Journal, 2021, 27, 7847-7852.	3.3	6
91	Aromatic Phosphorus Heterocycles. Topics in Heterocyclic Chemistry, 2008, , 27.	0.2	1
92	The theoretical determination of phosphorus NMR chemical shelding. Advances in Molecular Structure Research, 1999, , 189-222.	0.3	2
93	1â€Phosphaâ€Butadienes and 1Hâ€Phospholes via Alkynylation of Acetylenic Phosphaalkenes. ChemPlusChem, 2023, 88, .	2.8	0
94	Phosphole aromaticity enhancement by electron pumping through Schleyer hyperconjugative aromaticity: A comprehensive DFT study. Chemical Physics Letters, 2023, 821, 140472.	2.6	3

#	Article	IF	Citations