The First Delocalized Phosphole Containing a Planar Tricoordinate Phosphorus Atom: 1-[Bis(trimethylsilyl)methyl

DOI: 10.1002/(sici)1521-3773(19980504)37:83.0.co;2-c
Angewandte Chemie - International Edition, 1998, 37, 1083-1

#	Paper	IF	Citations
48	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	2.3	33
47	Substituent Effects on the Structure and Aromaticity of 4-Silatriafulvene. *Journal of Physical Chemistry A*, **1998**, 102, 10530-10535	2.8	30
46	The Aromaticity of Polyphosphaphospholes Decreases with the Pyramidality of the Tricoordinate Phosphorus. *Inorganic Chemistry*, **1998**, 37, 4413-4420	5.1	96
45	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	2.3	11
44	Molecular Simulations of Adsorption Isotherms for Linear and Branched Alkanes and Their Mixtures in Silicalite. *Journal of Physical Chemistry B*, **1999**, 103, 1102-1118	3.4	420
43	Neuartige 1,2,4-Triphosphol- und 1,2,3-Triphospheten-Derivate aus N,N?-Bis(2,2-dimethylpropyl)benzimidazolin-2-yliden und Phosphaalkinen. *Angewandte Chemie*, **2000**, 112, 2393-2396	3.6	14
42	Aromatic Compounds with Planar Tricoordinate Phosphorus. *Tetrahedron*, **2000**, 56, 79-84	2.4	65
41	Ring currents. *Progress in Nuclear Magnetic Resonance Spectroscopy*, **2000**, 36, 1-88	10.4	384
40	Heterophospholes. **2001**, 363-461		24
39	Aromaticity of phosphorus heterocycles. *Chemical Reviews*, **2001**, 101, 1229-46	68.1	333
38	Reactions of aluminum, gallium, and indium (M) atoms with phosphine: generation and characterization of the species M.PH3, HMPH2, and H2MPH. *Inorganic Chemistry*, **2001**, 40, 396-407	5.1	32
37	Synthesis, crystal and molecular structures of pyridine adducts of the zinc and cadmium bis-1,2,4-triphospholyl complexes [M(η1-P3C2tBu2)2(NC5H5)n] (M=Zn, n=2; M=Cd, n=3). *Journal of Organometallic Chemistry*, **2001**, 633, 143-148	2.3	8
36	Synthese des ersten 1,3,4-Triphosphol-Komplexes. *Angewandte Chemie*, **2001**, 113, 2531-2534	3.6	3
35	Synthesis of the First 1,3,4-Triphosphole Complex. *Angewandte Chemie - International Edition*, **2001**, 40, 2471-2474	16.4	12
34	De-aromatizing phosphole. *Journal of Organic Chemistry*, **2002**, 67, 1208-13	4.2	68
33	The first 2,3-dihydro-1H-[1,2,4] triphosphole. *Journal of Organometallic Chemistry*, **2002**, 650, 198-201	2.3	5
32	Organometallic Complexes of Boron, Silicon, and Phosphorus Analogues of Azoles. *Advances in Heterocyclic Chemistry*, **2003**, 85, 1-66	2.4	5

31	1-Triphenylstannyl-2,4,5-tritertiarybutyl-1,3-diphosphole, Ph3SnP2C3Bu3t: Preparation, X-ray crystal structure, theoretical studies and solution fluxional behaviour. *Journal of Organometallic Chemistry*, **2005**, 690, 3983-3989	2.3	9
30	On the tautomerism, planarity, and vibrations of phospholes. *Chemical Physics*, **2005**, 313, 123-132	2.3	20
29	Binding energies, vibrations and structural characteristics of small polyphosphorus molecules from quantum chemical computations. *Dalton Transactions*, **2005**, 1701-6	4.3	12
28	An aromatic-antiaromatic switch in P-heteroles. A small change in delocalisation makes a big reactivity difference. *Organic and Biomolecular Chemistry*, **2006**, 4, 996-8	3.9	60
27	Aromatic 1H-[1,2]Diphosphole with a Planar Tricoordinated Phosphorus, Plus η2-Coordination Mode between Ruthenium(0) and a Phosphaalkene. *Organometallics*, **2007**, 26, 5050-5058	3.8	19
26	Does the Planar Aromatic Phosphorus Analogue of Pyridone Exist?. *European Journal of Organic Chemistry*, **2007**, 2007, 1669-1677	3.2	6
25	Why are Phosphole Oxides Unstable? The Phenomenon of Antiaromaticity as a Destabilizing Factor. *European Journal of Organic Chemistry*, **2007**, 2007, 4765-4771	3.2	21
24	Magnetotropicity of phosphole and its arsenic analogue. *Theoretical Chemistry Accounts*, **2007**, 118, 89-97	1.9	15
23	Rock around the Ring: An Experimental and Theoretical Study of the Molecular Dynamics of Stannyltriphospholes with Chiral Tin Substituents. *European Journal of Inorganic Chemistry*, **2008**, 2008, 2225-2237	2.3	19
22	Homolytic S-S bond dissociation of 11 bis(thiocarbonyl)disulfides R-C(=S)-S-S-C(=S)R and prediction of a novel rubber vulcanization accelerator. *Chemistry - an Asian Journal*, **2008**, 3, 1026-34	4.5	15
21	Phospholes. **2008**, 1029-1147		16
20	Dual Supermesityl Stabilization: 1-Alkyl-1H-[1,2,4]triphospholes, with Among the Most Planar and Least Sterically Hindered λ3,λ3-Phosphorus Atoms, and Novel C2P3S4 Folded Heterocycles *Organometallics*, **2008**, 27, 5118-5121	3.8	5
19	Three or Four Heteroatoms including at least One Phosphorus. **2008**, 583-601		1
18	Aromatic Phosphorus Heterocycles. *Topics in Heterocyclic Chemistry*, **2009**, 27-81	0.2	43
17	ChemInform Abstract: The First Delocalized Phosphole Containing a Planar Tricoordinate Phosphorus Atom: 1-[Bis(trimethylsilyl)methyl] -3,5-bis(trimethylsilyl)-1,2,4-triphosphole.. *ChemInform*, **2010**, 29, no-no		
16	Synthesis of a 1-boratabenzene-(2,3,4,5-tetramethylphosphole): towards a planar monophosphole. *Chemical Communications*, **2010**, 46, 6816-8	5.8	24
15	Analogy between sulfuryl and phosphino groups: the aromaticity of thiophene-oxide. *Structural Chemistry*, **2011**, 22, 1385-1392	1.8	11
14	Highly unsaturated phosphorus compounds: Trimeric and dimeric sulfides of a di-tert-butyl vinyl phosphaalkyne. *Heteroatom Chemistry*, **2011**, 22, 114-118	1.2	4

13	Click reactions of 2H-azaphosphirene chromium and molybdenum complexes and a surprisingly facile access to a 2H-1,4,2-diazaphosphole derivative. *Polyhedron*, **2011**, 30, 1799-1805	2.7	2
12	Phospholes Development and Recent Advances. *Mendeleev Communications*, **2013**, 23, 117-130	1.9	53
11	Substituent effect on the aromaticity of the silolide anion. *Structural Chemistry*, **2014**, 25, 377-387	1.8	14
10	Stabilization of a diphosphagermylene through p p interactions with a trigonal-planar phosphorus center. *Angewandte Chemie - International Edition*, **2014**, 53, 3636-40	16.4	38
9	Stabilization of a Diphosphagermylene through p p Interactions with a Trigonal-Planar Phosphorus Center. *Angewandte Chemie*, **2014**, 126, 3710-3714	3.6	19
8	Enhancing the reactivity of 1,2-diphospholes in cycloaddition reactions. *Beilstein Journal of Organic Chemistry*, **2015**, 11, 169-73	2.5	7
7	Influence of P-Bonded Bulky Substituents on Electronic Interactions in Ferrocenyl-Substituted Phospholes. *Chemistry - A European Journal*, **2015**, 21, 11545-59	4.8	36
6	Effect of Mono- and Poly-CH/P Exchange(s) on the Aromaticity of the Tropylium Ion. *Molecules*, **2016**, 21,	4.8	2
5	A computational study of azaphospholes: anions and neutral tautomers. *Structural Chemistry*, **2016**, 27, 1531-1542	1.8	5
4	Planar lithium silolide: aromaticity, with significant contribution of non-classical resonance structures. *Chemical Communications*, **2017**, 53, 11064-11067	5.8	13
3	A diarsagermylene and a diarsastannylene stabilised by areneGe/Sn interactions. *Chemical Communications*, **2018**, 54, 2526-2529	5.8	8
2	Aromatic Phosphorus Heterocycles. **2009**, 27		1
1	Phosphoacyl Functions and Their As, Sb, and Bi Analogs. **2005**, 813-902		