

# Synthesis, Characterization, and Physical Properties of 2-Methyl-1,4,6,7,8,9-hexaphenylbenz(*g*)isoq

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis and Properties of a Diazopentacene Analogue. <i>Asian Journal of Organic Chemistry</i> , 2012, 1, 346-351.	1.3	29
2	Approaching a stable, green twisted heteroacene through "clean reaction" strategy. <i>Chemical Communications</i> , 2012, 48, 5974.	2.2	110
3	One stone kills four birds: a novel diazaperinone 12H-pyrazino[2,3,3',4']pyrrolo[1,2-a]perimidin-12-one recognizes four different metal ions. <i>Tetrahedron Letters</i> , 2012, 53, 6044-6047.	0.7	10
4	Crystal Structure and Phototransistor Behavior of N-Substituted Heptacene. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 1883-1886.	4.0	118
5	Synthesis, Structure, and Physical Properties of 5,7,14,16-Tetraphenyl-8,9,12,13-bisbenzo-hexatwistacene. <i>Chemistry - an Asian Journal</i> , 2012, 7, 561-564.	1.7	112
6	"Clean Reaction" Strategy to Approach a Stable, Green Heptatwistacene Containing a Single Terminal Pyrene Unit. <i>Chemistry - an Asian Journal</i> , 2012, 7, 672-675.	1.7	98
7	Aryne Cycloaddition Reactions in the Synthesis of Large Polycyclic Aromatic Compounds. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5981-6013.	1.2	245
8	Synthesis, Physical Properties, and Self-Assembly of A Novel Asymmetric Aroyleneimidazophenazine. <i>Chemistry - an Asian Journal</i> , 2013, 8, 665-669.	1.7	42
9	A novel heteroacene, 2-(2,3,4,5-tetrafluorophenyl)-1H-imidazo[4,5-b]phenazine as a multi-response sensor for F <sup>-</sup> detection. <i>Tetrahedron Letters</i> , 2013, 54, 2633-2636.	0.7	44
10	Synthesis, Physical Properties, and Anion Recognition of Two Novel Larger Azaacenes: Benzannelated Hexazaheptacene and Benzannelated Dihydrohexazaheptacene. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1574-1578.	1.7	113
11	A new N-substituted heteroacene can detect CN <sup>-</sup> and F <sup>-</sup> anions via anion-π interaction. <i>RSC Advances</i> , 2013, 3, 9653.	1.7	47
12	Synthesis and Nonvolatile Memory Behaviors of Dioxatetraazapentacene Derivatives. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6458-6462.	4.0	121
13	Azaisoquinolinones: N Positions Tell You Different Stories in Their Optical Properties. <i>Journal of Organic Chemistry</i> , 2013, 78, 12760-12768.	1.7	21
14	A Concise Method for Synthesizing 1,4,8,11-Tetraaza-6,13-dioxapentacene Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 852-856.	1.3	10
15	Synthesis, characterization, and physical properties of two novel nonaheteroacene derivatives. <i>Tetrahedron Letters</i> , 2014, 55, 282-285.	0.7	18
16	Synthesis, Characterization, and Sensing Behavior of an N-heteropentacene. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 203-208.	1.3	12
17	Synthesis, Characterization, and Non-Volatile Memory Device Application of an N-Substituted Heteroacene. <i>Chemistry - an Asian Journal</i> , 2014, 9, 779-783.	1.7	123
18	Quinoxaline-functionalized C <sub>60</sub> derivatives as electron acceptors in organic solar cells. <i>RSC Advances</i> , 2014, 4, 25291-25301.	1.7	23

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19	Larger $\pi$ -extended anti-/syn-aroylenediimidazole polyaromatic compounds: synthesis, physical properties, self-assembly, and quasi-linear conjugation effect. <i>RSC Advances</i> , 2014, 4, 17822-17831.	1.7	23
20	A concise method to prepare linear 2,3-diazaoligoacene derivatives. <i>Tetrahedron Letters</i> , 2014, 55, 4346-4349.	0.7	17
21	Synthesis and photovoltaic properties of novel C60 bisadducts based on benzo[2,1,3]-thiadiazole. <i>Tetrahedron</i> , 2014, 70, 6217-6221.	1.0	22
22	Pyridinium-Fused Pyridinone: A Novel Turn-On-Fluorescent Chemodosimeter for Cyanide. <i>Chemistry - an Asian Journal</i> , 2014, 9, 121-125.	1.7	31
23	Synthesis, Characterization, and Memory Performance of Two Phenazine/Triphenylamine-Based Organic Small Molecules through Donor-Acceptor Design. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 646-651.	1.3	13
24	Conjoint use of Dibenzosilole and Indan-1,3-dione Functionalities to Prepare an Efficient Non-Fullerene Acceptor for Solution-Processable Bulk-Heterojunction Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 1096-1102.	1.3	23
25	Novel donor-acceptor polymers based on 7-perfluorophenyl-6H-[1,2,5]thiadiazole[3,4-g]benzoimidazole for bulk heterojunction solar cells. <i>RSC Advances</i> , 2015, 5, 50137-50145.	1.7	24
26	Linearly Fused Azaacenes: Novel Approaches and New Applications Beyond Field-Effect Transistors (FETs). <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 28049-28062.	4.0	228
27	Design, synthesis and photophysical properties of A-D-A-D-A small molecules for photovoltaic application. <i>Dyes and Pigments</i> , 2015, 121, 99-108.	2.0	10
28	Synthesis, Physical Properties, and Light-Emitting Diode Performance of Phenazine-Based Derivatives with Three, Five, and Nine Fused Six-Membered Rings. <i>Journal of Organic Chemistry</i> , 2015, 80, 3030-3035.	1.7	122
29	Spirobifluorene-based acceptors for polymer solar cells: Effect of isomers. <i>Dyes and Pigments</i> , 2015, 123, 16-25.	2.0	16
30	From non-detectable to decent: replacement of oxygen with sulfur in naphthalene diimide boosts electron transport in organic thin-film transistors (OTFT). <i>Journal of Materials Chemistry C</i> , 2015, 3, 8219-8224.	2.7	49
31	Synthesis, Structure, and Air-Stable N-Type Field-Effect Transistor Behaviors of Functionalized Octaazanonacene-1,9-dione. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6292-6296.	7.2	143
33	N-Heteroheptacenequinone and N-heterononacenequinone: synthesis, physical properties, crystal structures and photoelectrochemical behaviors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9877-9884.	2.7	23
34	Recent progress in organic resistance memory with small molecules and inorganic-organic hybrid polymers as active elements. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10055-10065.	2.7	148
35	Synthesis, physical properties and ion recognition of a novel larger heteroacene with eleven linearly-fused rings and two different types of heteroatom. <i>RSC Advances</i> , 2015, 5, 80307-80310.	1.7	11
36	A novel $\pi$ -A small molecule with N-heteroacene as acceptor moiety for photovoltaic application. <i>Dyes and Pigments</i> , 2015, 122, 231-237.	2.0	16
37	Aroyleneimidazophenazine: A Sensitive Probe for Detecting $\text{CN}^-$ Anion and its Solvatochromism Effect. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1699-1704.	1.4	8

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38	Rewritable Multilevel Memory Performance of a Tetraazatetracene Donor–Acceptor Derivative with Good Endurance. <i>Chemistry - an Asian Journal</i> , 2015, 10, 116-119.	1.7	65
39	Double [4 + 2] Cycloaddition Reaction To Approach a Large Acene with Even-Number Linearly Fused Benzene Rings: 6,9,16,19-Tetraphenyl-1,20,4,5,10,11,14,15-Tetrabenzooctatwistacene. <i>Journal of Organic Chemistry</i> , 2015, 80, 109-113.	1.7	86
40	Synthesis, Characterization, Physical Properties, and OLED Application of Single BN-Fused Perylene Diimide. <i>Journal of Organic Chemistry</i> , 2015, 80, 196-203.	1.7	227
41	Full Characterization and Photoelectrochemical Behavior of Pyrene-fused Octaazadecacene and Tetrazaoctacene. <i>Chemistry - an Asian Journal</i> , 2016, 11, 482-485.	1.7	28
42	Pyrene-fused Acenes and Azaacenes: Synthesis and Applications. <i>Chemical Record</i> , 2016, 16, 1518-1530.	2.9	127
43	A Colorimetric and Fluorimetric Chemodosimeter for Copper Ion Based on the Conversion of Dihydropyrazine to Pyrazine. <i>Chemistry - an Asian Journal</i> , 2016, 11, 136-140.	1.7	26
44	All-thiophene-substituted N-heteroacene electron-donor materials for efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13519-13524.	5.2	7
45	Azaacenes as active elements for sensing and bio applications. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7060-7074.	2.9	128
46	An Azaacene Derivative as Promising Electron-Transport Layer for Inverted Perovskite Solar Cells. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2135-2138.	1.7	144
47	Nanostructured Conjugated Polymers for Energy-Related Applications beyond Solar Cells. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1489-1511.	1.7	137
48	Effect of the mismatch structure on crystal packing, physical properties and third-order nonlinearity of unsymmetrical twistacenes. <i>Dyes and Pigments</i> , 2016, 134, 9-18.	2.0	20
49	Recent progress in rechargeable lithium batteries with organic materials as promising electrodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7091-7106.	5.2	259
50	Switching charge-transfer characteristics from p-type to n-type through molecular "doping" (co-crystallization). <i>Chemical Science</i> , 2016, 7, 3851-3856.	3.7	89
51	"Doping" pentacene with $sp^{2}$ -phosphorus atoms: towards high performance ambipolar semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3173-3178.	1.3	15
52	Recent progress in non-fullerene small molecule acceptors in organic solar cells (OSCs). <i>Journal of Materials Chemistry C</i> , 2017, 5, 1275-1302.	2.7	375
53	Synthesis, Physical Properties and Memory Device Application of a Twelve-Ring Fused Twistheteroacene. <i>Chemistry - an Asian Journal</i> , 2017, 12, 638-642.	1.7	15
54	Naphthalene tetracarboxylic diimide (NDI)-based polymer solar cells processed by non-halogenated solvents. <i>Organic Electronics</i> , 2017, 46, 203-210.	1.4	18
55	A Naphtho-p-quinodimethane Exhibiting Baird's (Anti)Aromaticity, Broken Symmetry, and Attractive Photoluminescence. <i>Journal of Organic Chemistry</i> , 2017, 82, 10167-10173.	1.7	22

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56	Better Organic Ternary Memory Performance through Self-Assembled Alkyltrichlorosilane Monolayers on Indium Tin Oxide (ITO) Surfaces. <i>Chemistry - A European Journal</i> , 2017, 23, 16393-16400.	1.7	6
57	An ambipolar azaacene as a stable photocathode for metal-free light-driven water reduction. <i>Materials Chemistry Frontiers</i> , 2017, 1, 495-498.	3.2	33
58	Proton induced green emission from AIEE active 2,2'-biquinoline hydrosol and its selective fluorescence turn-on sensing property towards Zn <sup>2+</sup> ion in water. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1266-1276.	4.0	17
59	Recent Progress in Using Pyrene-4,5-diketones and Pyrene-4,5,9,10-tetraketones as Building Blocks to Construct Large Acenes and Heteroacenes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2130-2146.	1.3	59
60	Synthesis, Crystal Analysis, and Optoelectronic Properties of Diazole-Functionalized Acenes and Azaacenes. <i>Chemistry - A European Journal</i> , 2018, 24, 6572-6579.	1.7	34
61	Recent Progress in the Usage of Phenazinediamine and Its Analogues as Building Blocks to Construct Large <i>N</i> -Heteroacenes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3375-3390.	1.2	24
62	Pyrene-Containing Twistarene: Twelve Benzene Rings Fused in a Row. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13555-13559.	7.2	76
63	Pyrene-Containing Twistarene: Twelve Benzene Rings Fused in a Row. <i>Angewandte Chemie</i> , 2018, 130, 13743-13747.	1.6	27
64	Preparation and In Vivo Antinociceptive Behavior of Four New 2-Amino-6-trifluoromethoxybenzothiazole Carboxylic Acid Derivatives. <i>ChemistrySelect</i> , 2019, 4, 9993-9998.	0.7	0
65	Synthesis, characterization and photophysical studies of a novel polycyclic diborane. <i>New Journal of Chemistry</i> , 2019, 43, 564-568.	1.4	3
66	Optical Spectra and Fluorescence Quenching in Azaacenes Bearing Five-Membered Rings. <i>ChemPhotoChem</i> , 2019, 3, 755-762.	1.5	6
67	Recent Progress in Organic Electron Transport Materials in Inverted Perovskite Solar Cells. <i>Small</i> , 2019, 15, e1900854.	5.2	205
68	Asymmetric Molecular Conformation of Steric Terfluorene toward Constructing Polyhedral Microcrystals for Deep-Blue Lasers. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10000-10006.	1.5	3
69	Synthesis, physical properties and electroluminescence of functionalized pyrene derivative. <i>Dyes and Pigments</i> , 2019, 167, 22-28.	2.0	10
70	Helical Ullazine-Quinoxaline-Based Polycyclic Aromatic Hydrocarbons. <i>Chemistry - A European Journal</i> , 2019, 25, 1345-1352.	1.7	20
71	UV-light intervened synthesis of imidazo fused quinazoline and its solvatochromism, antioxidant, antifungal and luminescence properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 190, 42-49.	1.7	18
72	Ladder-Type Nonacyclic Arene Bis(thieno[3,2- <i>b</i> ]thieno)cyclopentafluorene as a Promising Building Block for Non-Fullerene Acceptors. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1814-1822.	1.7	29
73	Synthesis, Photophysical Properties and Two-Photon Absorption Study of Tetraazachrysene-based <i>N</i> -Heteroacenes. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1807-1813.	1.7	18

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74	Recent progress in well-defined higher azaacenes (<i>n</i> > 6): synthesis, molecular packing, and applications. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3419-3432.	3.2	71
75	Nonvolatile Flexible Memory Based on a Planar Zigzag-Type Nitrogen-Doped Picene. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000155.	3.3	11
76	Recent progress in the usage of tetrabromo-substituted naphthalenetetracarboxylic dianhydride as a building block to construct organic semiconductors and their applications. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3001-3026.	2.3	22
77	Diels-Alder Cycloaddition to the Bay Region of Perylene and Its Derivatives as an Attractive Strategy for PAH Core Expansion: Theoretical and Practical Aspects. <i>Molecules</i> , 2020, 25, 5373.	1.7	10
78	Phenazine derivatives for optical sensing: a review. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11308-11339.	2.7	37
79	Molecular Engineering to Access Fluorescent Trackers of Organelles by Cyclization: Chemical Environment of Nitrogen Atom-Modulated Targets. <i>Advanced Functional Materials</i> , 2020, 30, 2004511.	7.8	9
80	Butterfly-like Tetraazaacenequinodimethane Derivatives: Synthesis, Structure and Halochromic Properties. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2198-2202.	1.7	1
81	Two-Photon Absorption of Butterfly-Shaped Carbonyl-Bridged Twistarene. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 579-583.	1.3	3
82	Recent Progress in High Linearly Fused Polycyclic Conjugated Hydrocarbons (PCHs, <i>n</i> > 6) with Well-Defined Structures. <i>Advanced Science</i> , 2020, 7, 1903766.	5.6	80
83	Reversible Fluorescence Switching of Donor-Acceptor Type Bipyridines by Simple Protonation-Deprotonation Equilibria. <i>Australian Journal of Chemistry</i> , 2021, 74, 601-606.	0.5	1
84	Our research progress in heteroaggregation and homoaggregation of organic $\pi$ -conjugated systems. <i>Aggregate</i> , 2021, 2, e35.	5.2	28
86	Synthesis and characterization of novel hybrid compounds containing coumarin and benzodiazepine rings based on dye. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 1943-1954.	1.4	5
87	Recent progress in 1,4-diazafluorene-cored optoelectronic materials: A review. <i>Dyes and Pigments</i> , 2021, 191, 109365.	2.0	9
88	A combined experimental and TDDFT-DFT investigation of structural and optical properties of novel pyrazole-1, 2, 3-triazole hybrids as optoelectronic devices. <i>Phase Transitions</i> , 2021, 94, 794-814.	0.6	19
89	The origin of conformational solvatochromism in phenylmethylidene-bis(pyrrolo[2,3-b]quinoxaline) derivative. <i>Dyes and Pigments</i> , 2021, 193, 109475.	2.0	0
90	Imide-Fused Diazatetracenes: Synthesis, Characterization, and Application in Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2020, 26, 4220-4225.	1.7	4
91	Efficient energy-level modification of novel pyran-annulated perylene diimides for photocatalytic water splitting. <i>Chemical Communications</i> , 2017, 53, 6918-6921.	2.2	15
92	Recent Progress in the Synthesis and Applications of Azaacenes. <i>Current Organic Chemistry</i> , 2020, 24, 885-899.	0.9	8

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93	Recent progress in pyrazinacenes containing nonbenzenoid rings: synthesis, properties and applications. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2475-2493.	2.7	5
94	Facile Azabenzannulations through UV-induced Photocyclization: A Promising Method for Peryleneimide-Based Organic Semiconductors. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	5
95	Indane-1,3-Dione: From Synthetic Strategies to Applications. <i>Molecules</i> , 2022, 27, 5976.	1.7	8