

Phthalocyanines Vol 4

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similar to porphyrins and phthalocyanines. Pioneered by Sir R. Patrick Linstead as an extension of his work on phthalocyanines, porphyrazines differ from... 6 KB (632 words) - 10:51, 8 January 2021

transfer in conjugates of quantum dots with zinc and indium tetraamino phthalocyanines". Journal of Photochemistry and Photobiology A: Chemistry. 210 (1):... 11 KB (1,552 words) - 06:55, 16 December 2023

Histochemical Journal. 4 (5): 391–399. doi:10.1007/BF01012530. PMID 4119152. S2CID 8999433.

"Stainsfile - Compare phthalocyanines". Sabnis, R. W. (7 April... 31 KB (3,762 words) - 12:36, 5 November 2023

zinc, aluminium and gallium, generate metallo-phthalocyanines (MPC) with high triplet quantum yields ($\Phi_T \approx 0.4$) and short lifetimes (ZnPCS4 $\tau = 490$ fs and... 80 KB (9,551 words) - 01:34, 27 December 2023

purple, Han blue, Egyptian blue, malachite, Paris green, Phthalocyanine Blue BN, Phthalocyanine Green G, verdigris Iron oxide pigments: sanguine, caput... 34 KB (3,077 words) - 15:22, 13 February 2024

neglected parent compound with potential" (PDF). Journal of Porphyrins and Phthalocyanines. 14 (07): 557–567. doi:10.1142/s1088424610002495. ISSN 1088-4246. Karak... 5 KB (375 words) - 22:03, 15 January 2024

metalloporphyrins, phthalocyanines and multiporphyrin arrays". Journal of Porphyrins and Phthalocyanines. 3 (4): 283–291. doi:10.1002/(SICI)1099-1409(199904)3:4<283::AID-JPP132>3... 69 KB (8,128 words) - 05:09, 20 March 2024

(CsNO₃), polyvinyl fluorides, derivatives of phenylpyridine, and cobalt phthalocyanine. Lithium tantalate (LiTaO₃) is a crystal exhibiting both piezoelectric... 23 KB (2,659 words) - 04:53, 23 February 2024

architectures of many individual molecules. The complexation of porphyrins or phthalocyanines around metal ions gives access to catalytic, photochemical and electrochemical... 35 KB (3,889 words) - 22:05,

25 November 2023

practically with pigments, so "blue" for a painter can be any of the blues: phthalocyanine blue, Prussian blue, indigo, Cobalt blue, ultramarine, and so on. Psychological... 88 KB (9,422 words) - 20:19, 19 March 2024

Midnight blue – Dark shade of blue Phthalocyanine Blue BN – Synthetic blue pigment from the group of phthalocyanine dyesPages displaying short descriptions... 44 KB (4,823 words) - 00:48, 17 March 2024

"Determination of the Charge Transport Mechanisms in Ultrathin Copper Phthalocyanine Vertical Heterojunctions". The Journal of Physical Chemistry C. 118... 17 KB (1,716 words) - 14:46, 7 March 2024

fellow of the American Chemical Society. The Society of Porphyrins and Phthalocyanines awarded her the Eraldo Antonini Award for lifetime achievement award... 9 KB (854 words) - 19:38, 2 February 2024
aircraft blue. It was replaced in the 1960s by a new color made on phthalocyanine blue, called BS110(381C) roundel blue.[citation needed] Ultramarine... 35 KB (4,077 words) - 21:22, 19 February 2024

theoretically every object exhibits this behavior. In 2020 the dye molecule phthalocyanine exhibited the duality that is more famously attributed to light, electrons... 48 KB (4,675 words) - 12:45, 23 January 2024

crystal violet, malachite green Tetrapyrrole derivatives: porphyrin, phthalocyanine, bilirubin
Dipyrromethene derivatives: BODIPY, aza-BODIPY These fluorophores... 27 KB (2,043 words) - 10:39, 14 February 2024

They are responsible for the colour observed in plants and humans. Phthalocyanine is an artificial macrocyclic tetradentate ligand that is used to make... 21 KB (1,858 words) - 22:20, 27 July 2023
out to produce that color affect how it interacts with other colors. Phthalocyanine blue is one such commonly used pigment. A typical formulation of process... 22 KB (2,469 words) - 06:22, 18 March 2024

archival life of 75 years or more. The other dyes used in CD-Rs are phthalocyanine and azo. For applications to biotechnology, special cyanine dyes are... 17 KB (1,824 words) - 10:01, 24 August 2023

Copper Phthalocyanine Blue Pigment Synthesis - Copper Phthalocyanine Blue Pigment Synthesis by Apoptosis 4,039 views 1 year ago 4 minutes, 29 seconds - Reupload from my Tik-tok #science #chemistry #color #acid #pigment #blue.

Phthalocyanine - track05 - Phthalocyanine - track05 by aj siér noem? 1,450 views 12 years ago 9 minutes, 47 seconds - Navy Warship; Phthalo Records 1997 <http://halocyan.com>.

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Synthesis of Copper Phthalocyanine - Synthesis of Copper Phthalocyanine by Texium 9,347 views 7 years ago 4 minutes, 26 seconds - In this video, I prepare copper **phthalocyanine**,, a dark blue copper-containing organic compound used commonly as a pigment **for**, ...

Phthalimide

Urea

Copper(II) chloride dihydrate

More Possible Phthalocyanines

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Introduction

Quantum Numbers

Summary

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Cyclooxygenase

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Introduction

polymer

classification of polymers

mechanism of polymerisation

example of addition polymer

condensation polymer

novolac

biodegradable polymer

Low density polythene

Thank You

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Phthalocyanine On Silver - Phthalocyanine On Silver by Thierry A 118 views 11 years ago 16 seconds – play Short - Artist view of some organic molecules (H₂-**phthalocyanine**,) physisorbing on silver (Ag(001)). Actually the final configuration is ...

PTHALOCYANINE DYES - PHTHALOCYANINE DYES by Chem World 321 views 1 year ago 6 minutes, 22 seconds - For, M.Sc. Chemistry students.

SYNTHETIC DYES • Coloured organic compounds Impart colour to Substrate Wash fast and light fast • Thermal stability - Stability to perspiration and other chemical substances why coloured? • Substances absorb some wavelength in visible range of spectrum and reflect all others-complementary colour • Transition of electron from bonding or non bonding orbitals to anti bonding orbitals

Phthalocyanine • Aromatic, macrocyclic compound with formula (C₄₉H₃₅N₄)₂H₂ • Tetrabenzotetraazoporphyrin . Four isoindole units linked by ring of Nitrogens

The first commercial phthalocyanine dye was Monstal fast blue BS Cu phthalocyanine . Cu takes from NH groups and being coordinated with other two N atoms Green shade by direct bromination or chlorination

Preparation of metal phthalocyanine . By passing ammonia into molten phthalic anhydride in presence

of metal salt Cuphthalocyanine-blue • Heating o-cyanoarylamide or phthalonitriles with metal. • Heating phthalic anhydride or phthalamide with urea and metal salt in presence of catalyst such as boric acid • Heating phthalonitrile with triethanolamine

Phthalocyanine dye are made water soluble by sulphonation direct dye. • Eg: Alcian dyes pigment is chloromethylated isothiuronium salt-soluble decomposition on fibre produce insoluble dye

Lecture 4 Raihan - Porphyrins and Phthalocyanines New Dyes for Solar Cell Devices part 2 - Lecture 4 Raihan - Porphyrins and Phthalocyanines New Dyes for Solar Cell Devices part 2 by hcsnyc 642 views 13 years ago 11 minutes, 5 seconds - Lecture #4, at Rockefeller University: HCS student, Raihan Saleh, presents his PowerPoint on Porphyrins and **Phthalocyanines**,: ...

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Phthalocyanines mediated photodynamic therapy with doxorubicin or methotrexate combination therapy - Phthalocyanines mediated photodynamic therapy with doxorubicin or methotrexate combination therapy by Alexandros G. Sfakianakis 37 views 6 years ago 2 minutes, 20 seconds - Medicine by Alexandros G. Sfakianakis,Anapafseos 5 Agios Nikolaos 72100 Crete Greece,00302841026182,00306932607174 ...

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2,4 Dinitrophenylhydrazine : Synthesis using Chlorobenzene - 2,4 Dinitrophenylhydrazine : Synthesis using Chlorobenzene by vibzz lab 10,244 views 2 years ago 7 minutes, 24 seconds - Hello friends, in this video we will synthesise 2,4, Dinitrophenylhydrazine from Chlorobenzene. 2,4, Dinitrochlorobenzene was ...

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