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# Metal Containing Proteins Macrocycles Coordination Complexes

**metal-containing proteins, macrocycles, and coordination ...** - title: metal-containing proteins, macrocycles, and coordination complexes in therapeutic applications and disease author: jannie c. swarts et al.

**synthesis of macrocycles containing tetrazole units ...** - synthesis of macrocycles containing tetrazole units—potential metal ... the active sites of metallo-enzymes and proteins containing ... macrocycles containing two ...

**nitrogen- and sulphur-containing macroheterocycles and ...** - nitrogen- and sulphur-containing macroheterocycles and their ... metal complexes of macrocycles in catalysis ... active centres of "blue" proteins are considered.

**de novo engineering of solid-state metalloproteins using ...** - for life, nature uses metal containing proteins (metal-loproteins). however, ... macrocycles. metal-functionalized silk material preparation. amelf3 silk

**publications : research articles 2008 - ufs** - metal-containing proteins, macrocycles, and coordination complexes in therapeutic applications and disease. hindawi publishing corporation, metal-based drugs

**medicinal flavour of macrocycles: existing scenario and ...** - medicinal flavour of macrocycles: ... the design and study of synchronized metal containing macrocycles is ... due to its resemblance with natural proteins ...

**new macrocyclic complexes of some transition metals ...** - 1-4 the anion template effect in the synthesis of macrocycles 12 1-5 metal ... the porphyrin ring (4) of the iron-containing haem proteins and the

**sm and ho complexes with tetraaza macrocycles containing ...** - 153sm and 166ho complexes with tetraaza macrocycles containing ... metal: ligand ratio for 153 ... confined to proteins and peptides.

**template synthesis and characterization of biologically ...** - template synthesis and characterization of ... the design and study of well-arranged metal-containing macrocycles is ... cleavage10 and copper containing proteins ...

**transition metal complexes with mixed nitrogen-sulphur (n ...** - transition metal complexes ... the design and synthesis of well-arranged metal-containing macrocycles is an ... attachment of metal ions to proteins such as ...

**synthesis and sod activity of manganese complexes of ...** - pentaaza macrocycles containing amino- and guanidino-auxiliary ... cellular components including proteins, ... and the redox property of the metal ion

**texaphyrins and sapphyrins: novel aromatic porphyrin-like ...** - the details of metal-binding behaviour, ... of blue copper proteins as well as nickel hydrogenases. when polycyclic macrocycles (cryptands) are ...

**journal of chemical and pharmaceutical research - jocpr** - journal of chemical and pharmaceutical research ... the development of tellurium containing macrocycles is ... of metal complexes with tellurium containing ...

**studies on nickel(ii) and palladium(ii) complexes with ...** - found to act as possible models for biochemically important proteins and ... plexes with tellurium-containing macrocycles. ... containing tetraazamacrocyclic metal ...

**protein recognition of macrocycles: binding of anti-hiv ...** - protein recognition of macrocycles: binding of ... cxcr4 containing ... and nonpolar interactions involved in the recognition of metal-locyclams by proteins, ...

**novel 16-membered [n macrocycles bearing hexaamide ...** - indian journal of chemistry vol. 43a, november 2004, pp. 2274-2280 novel 16-membered [n6] macrocycles bearing hexaamide functions and their metal-encapsulated compounds

**macrocycles: lessons from the distant past, recent ...** - macrocycles: lessons from the distant past, ... metal ion recognition ... domain proteins in the protein data bank have their n- and c-

**reviews a. osuka and s. saito porphyrinoids doi: 10.1002 ...** - containing proteins. ... dianionic ligand towards various metal ions to ... this class of macrocycles hampered their rapid development.

**synthesis and characterization of some group 12 metal ...** - synthesis and characterization of some group 12 metal complexes with tellurium containing ... models for biochemically important proteins and enzymes 8-12.

**the involvement of amino acid side chains in shielding the ...** - the involvement of amino acid side chains in shielding the nickel coordination site: an nmr study ... deriving from proteins containing one or more metal

**research journal of pharmaceutical, biological and ...** - research journal of pharmaceutical, biological and chemical ... tellurium containing dithiadiazia macrocycles ... in macrocycles and their transition metal ...

**the chemistry of the jager macrocycles** - chemistry of the jager macrocycles ... complexes contain two identical metal ions ... of such macrocycle-containing systems as heme proteins, ...

**research article issn : 0975-7384 coden(usa) : jcprc5** - research article issn : 0975-7384 coden ... in presence of divalent metal chlorides. ... two new 10-membered tellurium containing dithiadiazia macrocycles (te 2 n 2 s 2

**final report for aoad grant fa2386-12-1-4078 development ...** - metal-containing macrocycles were found to reversibly stack ... nanofibers tethered by lectin proteins were found to regulate t cell activation. the lengths as well as

**the copper and zinc triads in biology p. 1 electronic ...** - electronic structures of active sites in copper proteins: ... complexes of pendant-arm macrocycles p. 113 mercury ... mixed-metal clusters containing osmium and gold ...

**synthesis and studies of tetraaza macrocyclic complexes of ...** - transition metal complexes containing macrocycles are of considerable interest in terms of structural and ... proteins like hemerythrin and enzymes.

**soi: http://s-o-i/1.15/ijcrcps-2016-3-4-2 macrocyclic ...** - the studies of macrocycles have ... metals containing macrocyclic can serve as ... heme proteins is not caused by iron but by porphyrin, 1975 - massachusetts institute of technology - macrocycles containing 14-, ... ferrous reaction states of the oxygen binding proteins, myoglobin and ... of

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metal complexes of tetraaza macrocycles containing 14-, ... **molecular tweezers for dicarboxylic acids based on a ...** - molecular tweezers for dicarboxylic acids based on a saddle-shaped ... a new metal containing molecular receptor was prepared from a 15 ... the macrocycles, ... **bioinorganic chemistry: inorganic elements in the ...** - bioinorganic chemistry: inorganic elements in the ... 10 copper-containing proteins: ... 13.2 complexes of alkali and alkaline earth metal ions with macrocycles 273 **synthesis and conformational analysis of macrocyclic ...** - synthesis and conformational analysis of macrocyclic peptides consisting of both  $\alpha$ -helix and polyproline helix segments sung-ju choi,<sup>1</sup> soo hyun kwon,<sup>1</sup> tae-hyun kim,<sup>2</sup> ... **a diversity-oriented synthesis of macrocyclic ...** - a diversity-oriented synthesis of macrocyclic peptidomimetics with unprecedented scaffold ... regioselective metal ... afforded regioisomeric macrocycles containing ... **supramolecular chemistry - onlinelibrary.wiley** - 3.10.4 phosphorus-containing macrocycles 167 ... 4.2.1 anion binding proteins 228 ... 4.7 inert metal-containing receptors 259 **supramolecular chemistry - cern** - 1.1 definition and development of supramolecular chemistry 2 ... porphyrins and tetrapyrrole macrocycles ... 4.7 inert metal-containing receptors 259 **dynamics of metal centers monitored by nuclear inelastic ...** - dynamics of metal centers monitored by nuclear inelastic ... vibrations of an iron-containing molecule ... metal centers monitored by nuclear inelastic scattering 19 **advances in engineered hemoproteins that promote biocatalysis** - advances in engineered hemoproteins that promote biocatalysis ... heme binding proteins can be ... possibility emerged that metal-substituted hemoproteins might be a ... **new complexes with 19-membered pyridine-based macrocycle ...** - new complexes with 19-membered pyridine-based macrocycle ligand ... transition metal complexes with 19-membered pyridine-based ... containing macrocycles have ... **metal coordination chemistry in the study of biological ...** - metal ions act as lewis acid, ... containing heme proteins in oxygen transport of red ... chlorophyll a attached to mg as macrocycles chelate ligands ... **schiff bases and schiff base metal complexes: from ...** - more donor atoms forms macrocycles and are germane ... geometry of the metal ion binding sites in the metal enzymes and proteins, selectivity of manufactured **mutual control of axial and equatorial ligands: model ...** - mutual control of axial and equatorial ligands: model studies with ... tetrapyrrole macrocycles, ... relationships of metalloporphyrin-containing proteins is currently **novel chiral "calixsalen" macrocycle and chiral robson ...** - novel chiral "calixsalen" macrocycle and chiral robson ... chiral "calixsalen" schiff base macrocycles r,r-h3 ... backbone of polypeptides and proteins.<sup>8</sup> it may **second edition bioinorganic chemistry: inorganic elements ...** - second edition bioinorganic chemistry: inorganic elements ... bioinorganic chemistry : inorganic elements in the chemistry of ... 10 copper-containing proteins: ... **dalton transactions - pubsc** - 1 1 synthesis, characterization and biomolecule-binding properties of novel tetra-2 platinum(ii)-thiopyridylporphyrins 3 leandro m. o. lourenço,a bernardo a ... **original research paper macrocyclic copper (ii) complexes ...** - original research paper macrocyclic copper (ii) complexes: superoxide scavenging activity, ... namely sod mimetic activity.<sup>6,7</sup> the metal containing sod mimetic agents ... **the crystal and molecular structures of some bioinorganic ...** - i. 5 metal ion binding by synthetic macrocycles ii ... structural studies of seven metal-containing ... of the better known copper proteins involved in ... **design, synthesis and properties of synthetic chlorophyll ...** - proteins containing chlorophyll (chl) and bacteriochloro- ... with tetrapyrrole macrocycles. ... chlorophyll with a central metal that undergoes more stable **engineering macrocyclic figure-eight motif** - the design and synthesis of figure-eight macrocycles are very scarce owing ... proteins and also displays intriguing ... membered thiazoline-containing ring ... **bioinorganic chemistry: inorganic elements in the ...** - bioinorganic chemistry : inorganic elements in the chemistry of life : ... 2.3.2 tetrapyrrole ligands and other macrocycles ... 10 copper-containing proteins: ...

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