

Contents of Vol. 12, No.2 (2000)

ARTICLES

Vibrational and Normal Coordinate Analysis of 2-mercaptobenzothiazole

V.K. Krishnakumar, R. Ramaswamy and A. Natarajan

Asian J. Chem., Vol. 12, pp. 331-335 (2000)

Oxidation of Some *ortho*-Substituted Phenyl Methyl Sulphides with Quinolinium Fluorochromate in Acetonitrile Medium

Subbiah Meenakshisundaram and V. Sathiyendiran

Asian J. Chem., Vol. 12, pp. 336-342 (2000)

FTIR and Laser Raman Spectra, Vibrational Assignments and *Ab initio* Calculations of 6-Hydroxypurine

V. Krishnakumar, R. Ramaswamy and A. Natarajan

Asian J. Chem., Vol. 12, pp. 343-348 (2000)

Coordination Compounds of Co(II), Ni(II) and Cu(II) with Quadridentate Thiosemicarbazone: Their Preparation, Characterization and Structural Investigation

Ragab R. Amin

Asian J. Chem., Vol. 12, pp. 349-354 (2000)

Kinetic Parameters from TG Analysis of Chloroquo-*bis*(3-methyl-4-amino-5-mercapto-1,2,4-triazole) Copper(I) Complex

Ashok Kumar, Bijay Kumar Sinha, Girish Prasad, Rewati Kant and Sanjeev Kumar

Asian J. Chem., Vol. 12, pp. 355-358 (2000)

Mechanistic Studies on the Oxidation of Atrolactic Acid with Quinolinium Fluorochromate

Subbiah Meenakshisundaram and V. Sathiyendiran

Asian J. Chem., Vol. 12, pp. 359-363 (2000)

Determination of Pb(II) by Anodic Stripping Pulse Voltammetry (ASPV) Using Platinum and Glassy Carbon Electrodes

A.A. Ramadan, H. Mandil and A.A. Kamel

Asian J. Chem., Vol. 12, pp. 364-370 (2000)

Metal Chelates of Ambidentate Ligand Cysteine and Antiulcer Drug Ranitidine

Mala Mathur, Savita Shrivastava and N.M. Shrivastava

Asian J. Chem., Vol. 12, pp. 371-374 (2000)

Quantitative Oxidation of Thiourea and Some of Its Derivatives with Ammonium Hexanitratocetate(IV) Reagent in Nitric Acid Medium at Micro Scale

R.P.S. Chauhan and Afshan Suraiya

Asian J. Chem., Vol. 12, pp. 375-378 (2000)

Synthesis, Characterization and Biological Activity of Oxovanadium(IV), Thorium(IV) and Dioxouranium(VI) Complexes of N-(1-Piperidinobenzyl)urea and N,N'-*bis*(N-Morpholinobenzyl)urea

G. Venkatesa Prabhu and A.N. Mohamed Kasim

- Asian J. Chem.*, Vol. 12, pp. 379-384 (2000)
Synthesis, Characterization and Antimicrobial Screening of Aminobenzylated Mannich Bases of Acetamide and Urea
A.N. Mohamed Kasim and G. Venkatesa Prabhu
Asian J. Chem., Vol. 12, pp. 385-388 (2000)
- Synthesis and Dyeing Performance of Disperse Dyes Based on 4-Hydroxy-1-methyl-quinolin-2(1H)-one System
H.T. Mehta and A.G. Mehta
Asian J. Chem., Vol. 12, pp. 389-393 (2000)
- Effect of Electrolyte pH on Phosphate Adsorption by Soils
Parveen Bala, S.S. Bhardwaj and P.S. Sidhu
Asian J. Chem., Vol. 12, pp. 394-398 (2000)
- 2-Chloro-2'-hydroxy-4'-ethoxychalcone Oxime as an Analytical Reagent for Copper(II)
J.J. Desai, P.G. Desai and A.G. Mehta
Asian J. Chem., Vol. 12, pp. 399-402 (2000)
- Inhibition of Mineralization of Urinary Stone Forming Minerals by Naturally Occuring Acids
T.V.R.K. Rao and Sofia Bano
Asian J. Chem., Vol. 12, pp. 403-406 (2000)
- Conductivity of Strontium Soaps in Water
Anjali Varma
Asian J. Chem., Vol. 12, pp. 407-411 (2000)
- Study of Transition Metal Complexes of Some Oximic Ligands
Jitendra G. Kelkar and B.H. Mehta
Asian J. Chem., Vol. 12, pp. 412-416 (2000)
- On Time Dependent Entropy *vis-à-vis* Clausius' Inequality: Some of the Aspects Pertaining to the Global and the Local Levels of Thermodynamic Considerations
Anil A. Bhalekar
Asian J. Chem., Vol. 12, pp. 417-427 (2000)
- Characterization of (2+2) Macrocyclic Compounds of Co(II) and Ni(II) Derived from 2,6-Diacetyl Pyridine and Phenylene Diamines
R.N. Kumar, N.K. Chauhan, A.K. Das and S.K. Singh
Asian J. Chem., Vol. 12, pp. 428-432 (2000)
- On the Irreversible Thermodynamic Framework for Closed Systems Consisting of Chemically Reactive Components
Anil A. Bhalekar
Asian J. Chem., Vol. 12, pp. 433-444 (2000)
- The Reaction of Benzylcyanide with Chalcones
Sudha Sukhwai, Rajesh Vyas, Seema Kothari and B.L. Verma
Asian J. Chem., Vol. 12, pp. 445-448 (2000)
- Visible Spectrophotometric Methods for Estimation of Zopiclone from Bulk Drug and Formulations

- R.K. Santosh, M. Shobha, K.U.M. Ravi and S. Appala Raju
Asian J. Chem., Vol. 12, pp. 449-452 (2000)
Primary-Secondary Wavelengths Spectrophotometric Determination of Fluoride in Environment Water
Hong-Wen Gao and Zhi-Wen Zhang
Asian J. Chem., Vol. 12, pp. 453-457 (2000)
- Study of the Quality of Ground Waters of Some Villages at Shikohabad, District Firozabad (India)
Neelam Verma, Vishal Pathak, D.C. Yadav and Prabhat Pathak
Asian J. Chem., Vol. 12, pp. 458-462 (2000)
- Kinetics of Hydrolysis of *p*-Methoxyphenyl Phosphorotriamidate in the pH Region
V. Singh and S. Prabha
Asian J. Chem., Vol. 12, pp. 463-466 (2000)
- In vitro* Inhibition of Mineralization of Urinary Stone Forming by Some Dry-fruit Extracts
T.V.R.K. Rao and Sofia Bano
Asian J. Chem., Vol. 12, pp. 467-470 (2000)
- A Study on the Reaction between Phenacyl Bromide and Certain Tertiary Amines in Acetone: Effect of Addition of Water and Phenol(s)
M. Nallu
Asian J. Chem., Vol. 12, pp. 471-476 (2000)
- β -Correction Spectrophotometric Determination of Gallium with Alizarine Red S
Hong-Wen Gao and Hong-Liang Shi
Asian J. Chem., Vol. 12, pp. 477-482 (2000)
- Improvement of Determination of Trace Amounts of Nitrite in Water by Primary-Secondary Wavelengths Spectrophotometry
Hong-Wen Gao and Zhi-Wen Zhang
Asian J. Chem., Vol. 12, pp. 483-487 (2000)
- Studies on Some Transition Metal Chelate Monomers
Sangita Sharma, Jabali J. Vora and J.D. Joshi
Asian J. Chem., Vol. 12, pp. 488-492 (2000)
- Metal-Ligand Stability Constant of Eu(III), Sm(III), Tb(III), Nd(III) and Pr(III) Metal Ion Complex with Some Substituted Isoxazolines
Y.K. Meshram and M.L. Narwade
Asian J. Chem., Vol. 12, pp. 493-496 (2000)
- Study of the Efficiencies of Algal Species in Removing Pollutants from Sewage Waters
Neelam Verma, Vishal Pathak, D.C. Yadav and Prabhat Pathak
Asian J. Chem., Vol. 12, pp. 497-500 (2000)
- Synthesis of Benzopyranopyrazoles
R.M. Kumbhare, P.W. Chinchkhede and V.N. Ingle
Asian J. Chem., Vol. 12, pp. 501-505 (2000)

Electrical Resistivity of Ca,Ba-Doped lead Molybdate Ceramics

N.K. Singh and Kiranmajee

Asian J. Chem., Vol. 12, pp. 506-510 (2000)

Primary-Secondary Wavelengths Spectrophotometry to Improve the Direct Determination of Trace Amounts of Volatile Phenol in Wastewater

Hong-Wen Gao

Asian J. Chem., Vol. 12, pp. 511-514 (2000)

Variation in Symmetry Around Doped Pr(III) Ion in Saturated Solution of Medicinal Compounds with Reference to Judd-Ofelt Electronic Spectral Parameter

Aryamitra Pandey, K.P. Soni and G.K. Joshi

Asian J. Chem., Vol. 12, pp. 515-520 (2000)

2-Desacetyl-8-epi-xanthumanol-4-O- β -D-galactopyranoside: The Potential Antitumour Sesquiterpenoidal Lactone from *Xanthium spinosum* Bark

A.H. Ansari and K.S. Dubey

Asian J. Chem., Vol. 12, pp. 521-526 (2000)

Synthesis and Characterization of Homo and Hetero Multi-Nuclear Complexes of Platinum Group Metals with Some New Tetrasubstituted Thioethene Derivatives

Talal A.K. Al-Allaf, Nabeel H. Butrus and Hikmat R. Yousif

Asian J. Chem., Vol. 12, pp. 527-536 (2000)

Hardness and Electric Dipole Polarizability

Asha Tandon

Asian J. Chem., Vol. 12, pp. 537-540 (2000)

Determination of Melatonin by Differential Pulse Voltammetry at Modified Carbon Paste Electrode

G.E. Bekheit

Asian J. Chem., Vol. 12, pp. 541-547 (2000)

Analysis of Properties of Trace Aluminium Complex Solution with Dibromo-*o*-carboxy-chlorophosphonazo

Hong-Wen Gao and Lin-Qian Yu

Asian J. Chem., Vol. 12, pp. 548-552 (2000)

A New Approach on the Calculation of Line Width of Gaussian Line Spectra

Pranvera Lazo, Xiwen He and Hanxi Shen

Asian J. Chem., Vol. 12, pp. 553-556 (2000)

Synthesis of a Macrocyclic Ligand, Me₄-[16]-tetraene-N₄- and Its Metal Complexes with Chromium, Iron, Cobalt and Nickel(II)

H.C. Rai, Ashwini Kumar and Anuradha Kumari

Asian J. Chem., Vol. 12, pp. 557-560 (2000)

Polarographic Studies on Interaction of 2-Aminoquinoxaline with Cd(II) in Aqueous Medium

P.L. Pratihar, R.K. Lohiya, R.V. Singh and S.K. Mukherji

Asian J. Chem., Vol. 12, pp. 561-564 (2000)

Polarographic Studies of Mixed Ligand Complexes of Copper Cadaverine with Some Carboxylic Acids

Rajendra Kumar Lohiya, Panna Lal Pratihar, R.V. Singh and S.K. Mukherji

Asian J. Chem., Vol. 12, pp. 565-573 (2000)

NOTES

Thermodynamic Stability of Zn(II) Complexes with Some Amino Acids and Pyridoxine (Vit. B₅)

Alok K. Jain and H.C. Kataria

Asian J. Chem., Vol. 12, pp. 574-576 (2000)

Antimicrobial Activity of the Extract of *Sphaeranthus indicus*

K.S. Dubey, A.H. Ansari and Manjusha Hardaha

Asian J. Chem., Vol. 12, pp. 577-578 (2000)

Preparation of Hydroxamic Acid Complexes of Cr³⁺, Co²⁺ and Ni²⁺

N.N. Jain and Indradeo Prasad Ray

Asian J. Chem., Vol. 12, pp. 579-580 (2000)

Synthesis and Antibacterial Activity of Pyrimidine-2-thione Derivatives

V.M. Barot, S.R. Modi and H.B. Naik

Asian J. Chem., Vol. 12, pp. 581-583 (2000)

Preparation and Application of a Novel Adhesive (Copolymer Compound)

Ardeshir Khazaei and Ramin Ghorbani Waghei

Asian J. Chem., Vol. 12, pp. 584-586 (2000)

Halogen Scrambling in Pt(II) Substitution Reaction

S.J. Sabounchei and H. Khavasei

Asian J. Chem., Vol. 12, pp. 587-589 (2000)

Analysis of Sugars from the Seeds of *Tecoma urgentia*

E. Sreedevi and J.T. Rao

Asian J. Chem., Vol. 12, pp. 590-592 (2000)

Prediction of Viscosity in Ternary Systems

Falguni Karia and Shipra Baluja

Asian J. Chem., Vol. 12, pp. 593-596 (2000)

Chemical Investigation of the Seeds of *Gliricidia maculata*

E. Sreedevi and J.T. Rao

Asian J. Chem., Vol. 12, pp. 597-599 (2000)

Amperometric Trace Determination of V(V) and Cr(VI) with Ethanethioic Acid

S.P. Khatkar, Promila and Vinod Bala

Asian J. Chem., Vol. 12, pp. 600-602 (2000)

Disperse Dyes: Synthesis of 2,4'-Dichloro Diphenyl Ether 4-(Aryl azo) Dyes and Their Application to Polyester Fabric

K.R. Desai and C.K. Desai

Asian J. Chem., Vol. 12, pp. 603-605 (2000)

Synthesis of Some N-Amino Quinoin-2-ones from 4-Methyl Coumarins

A.D. Gharde

Asian J. Chem., Vol. 12, pp. 606-608 (2000)

Synthesis and Antibacterial Activity of 2-Pyrazolines and Their Related Compounds

J.M. Panchal and K.R. Desai

Asian J. Chem., Vol. 12, pp. 609-611 (2000)

Synthesis of Some Thiazolidinopyrazolines from Rhodanine

Devendra Pandey and A.K. Nag

Asian J. Chem., Vol. 12, pp. 612-614 (2000)

pH-Metric and Thermodynamic Studies on Metal Chelates of Al(III), Cr(III) and Fe(III) Ions with Tridentate biprotic Ligands

Anu Sharma and R.P. Mathur

Asian J. Chem., Vol. 12, pp. 615-618 (2000)

Synthesis of Some New Phenolic Azo Schiff Bases – Part I

A.W. Raut, S.T. Jadhao and A.G. Doshi

Asian J. Chem., Vol. 12, pp. 619-620 (2000)

Synthesis of Some New Phenolic Azo Schiff Bases – Part II

A.W. Raut, J.C. Lohakare and A.G. Doshi

Asian J. Chem., Vol. 12, pp. 621-622 (2000)

Synthesis and Antimicrobial Activity of 6-(H/Br)-7-Ethoxy Flavone

V.M. Barot

Asian J. Chem., Vol. 12, pp. 623-624 (2000)

32- and 37-Membered Macrocyclic Trinuclear Nickel(II) Complexes

H.C. Rai, A. Kumar and Veena Kumari

Asian J. Chem., Vol. 12, pp. 625-626 (2000)

Fluoroboro- and Alkoxyboro-capped Encapsulated Compounds of Iron(II) Derived from Oxalodihydroxamic Acid

H.C. Rai, Vandana and Veena Kumari

Asian J. Chem., Vol. 12, pp. 627-628 (2000)