

Molecular and Vibrational Structure of Pyrazinamide; A Combined Experimental and Theoretical Study

V. Chiş, A. Pîrnău, T. Jurcă, M. Vasilescu, O. Cozar, L. David
Studia UBB, Physica, 49, 75-82 (2004)

Molecular and Vibrational Structure of 5-Para-Bromo-Benziliden-Tiazolidin-2-Tion-4-Ona. Experimental And Theoretical Investigation

A. Pîrnău, M. Baías, O. Oniga, V. Chiş, M. Vasilescu, O. Cozar
Studia UBB, Physica, 49, 83-88 (2004)

Experimental and theoretical FT-IR/ATR and Raman spectra of pyrazinamide

V. Chis, A. Pîrnău, T. Jurcă, O. Cozar, L. David
Analele Universităţii din Oradea, 14A, 15-34 (2004)

Vibrational Spectroscopy and Theoretical Studies on 2,4-dinitrophenylhydrazine

V. Chiş, S. Filip, V. Miclăuş, A. Pîrnău, C. Tănăsolia, V. Almăşan, M. Vasilescu
J. Mol. Struct. 744-747, 363-368 (2005)

Experimental and DFT Study of Pyrazinamide

V. Chiş, A. Pîrnău, T. Jurcă, M. Vasilescu, S. Simon, O. Cozar, L. David
Chem. Phys., 316, 153-163 (2005)

Magnetic Field simulation for MOUSE[®] design using Vector Fields[™] Opera 3D

L. Szabó, A. Pîrnău, A. Vodă, B. Blümich, O. Cozar
Studia UBB, Physica, 51, 2, 69-78 (2006)

Experimental and theoretical investigation of 5-para-fluoro-benziliden-tiazolidin-2tion-4-ona

M. Baías, A. Pîrnău, V. Chiş, O. Cozar, M. Vasilescu
J. Opt. Adv. Mat., 8 (1), 205-207 (2006)

Spectral and theoretical studies of 2-naphthalenol: an organic nonlinear optical crystalline material

V. Chiş, M. Oltean, A. Pîrnău, V. Miclăuş, S. Filip
J. Opt. Adv. Mat., 8 (3), 1143-1147 (2006)

Mobile NMR: Applications to Materials and Biomedicine

N. O. Goga, A. Pîrnău, L. Szabo, R. Smeets, D. Riediger, O. Cozar, B. Blümich
J. Opt. Adv. Mat., 8 (4), 1430-1434 (2006)

Experimental and DFT Investigation of 5-para-nitro-benziliden-tiazolidin-2-tion-4-ona

A. Pîrnău, V. Chiş, M. Baías, O. Cozar, M. Vasilescu, O. Oniga, S. Simon
J. Opt. Adv. Mat., 9 (3), 547-550 (2007)

Theoretical And Experimental Study of Aripiprazole molecule

L. Szabo, V. Chiş, A. Pîrnău, B. Simon, O. Cozar, S. Orosz
J. Opt. Adv. Mat., 9 (3), 599-604 (2007)

Investigation of the interaction between naproxen and human serum albumin

A. Pîrnău, M. Bogdan
Romain J. Biophys., 18, No. 1, 49–55 (2008)

Metal-chelating compound investigated by Raman spectroscopy

L. Szabo, I.B. Cozar, N. Leopold, A. Pîrnău, V. Chiş
Studia UBB, Physica, L III, 1, 65-71 (2008)

Time-Dependent Diffusion Studies on Miglyol Molecules Confined in Permeable Polymeric Capsules

M. Bogdan, A. Pîrnău, C. Badea, I. Ardelean
Appl. Magnetic Resonance, 34, 63-69 (2008)

X-ray, ^1H NMR and DFT studies on two benzylidene-thiazolidine derivatives
V. Chiş, A. Pîrnău, M. Vasilescu, R. A. Varga, O. Oniga
J. Mol. Struct. (Theochem), 851, 63–74 (2008)

Vibrational and DFT study of 5-(3-pyridyl)-methylidene-thiazolidine-2-thione-4-one
A. Pîrnău, V. Chiş, L. Szabo, O. Oniga, M. Baías, N. Leopold, O. Cozar
Vibrational Spectroscopy, 48, 289-296 (2008)

Spectroscopic and theoretical studies of Dofetilide
L. Szabo, V. Chiş, A. Pîrnău, N. Leopold, O. Cozar, S. Orosz
Vibrational Spectroscopy, 48, 297-301 (2008)

Binding interaction of indomethacin with human serum albumin
M. Bogdan, A. Pîrnău, C. Floare, Carmen Bugeac
Journal of Pharmaceutical and Biomedical Analysis, 47, 981–984 (2008)

Raman, SERS and DFT investigations of two metalchelating compounds
N. Leopold, V. Chiş, I.B. Cozar, L. Szabo, A. Pîrnău, O. Cozar
Optoelectronics and advanced materials – Rap. Com., Vol. 2, No. 5, 278 – 283 (2008)

Raman spectroscopic and DFT theoretical study of 4-(2-pyridylazo)resorcinol and its complexes with zinc(II) and copper(II)
N. Leopold, L. Szabó, A. Pîrnău, M. Aluaş, L. F. Leopold, V. Chiş, O. Cozar
J. Mol. Struct., 1-3, 919, 94-99 (2009)

Experimental and theoretical investigation of 5-para-nitro-benzylidene-thiazolidine-2-thione-4-one molecule
A. Pîrnău, V. Chiş, L. Szabo, O. Cozar, M. Vasilescu, O. Oniga, R. A. Varga
J. Mol. Struct., 924-926, 361-370 (2009)

Spectroscopic and theoretical study of amlodipine besylate
L. Szabó, V. Chiş, A. Pîrnău, N. Leopold, O. Cozar, Sz. Orosz
J. Mol. Struct., 924-926, 385-392 (2009)

Synthesis of a new series of Thiazolylmethyl (Carbonyl-Methyl) – Oxi – Benzaldehyde Derivatives
C. Moldovan, O. Oniga, B. Tipericiuc, P. Verite, A. Pîrnău, M. Bojiţă
FARMACIA, Vol. 57, 4, 452-462 (2009)

NMR Spectroscopic characterization of β -cyclodextrin inclusion complex with vanillin
A. Pîrnău, M. Bogdan, C. G. Floare
Journal of Physics: Conference Series (JPCS) 182, 012013, 1-5 (2009)

^1H NMR investigation of self-association of vanillin in aqueous solution
M. Bogdan, C. G. Floare, A. Pîrnău
Journal of Physics: Conference Series (JPCS) 182, 012002, 1-5 (2009)

Synthesis and spectral characterisation of a new metal complex with a bidentate ligand
V. Niculescu, R. Tamaian, N. Păun, A. Pîrnău, L. Szabo
Journal of Physics: Conference Series (JPCS) 182, 012030 1-5 (2009)

Synthesis and physico-chemical characterization of some quaternary ammonium salts of 2-aryl thiazole derivatives
M. Palage, S. Oniga, A. Pîrnău, V. Zaharia, C. Belegan, L. Vlase, A. Muresan
FARMACIA, Vol. 57, 5, 598-608 (2009)

^2H NMR Spectroscopy of some Romanian commercial
Adrian Pîrnău, Mircea Bogdan, Călin G. Floare, Dana Alina Măgdaş
Studia Chimica, LV, 3 (2010)

Synthesis of some 2 – (acetophenonhydrazin) – thiazoles and 2 – (4 – thiazolylmethynhydrazin) – thiazoles as potential antibacterial and antifungal agents
O. Oniga, C. Moldovan, S. Oniga, B. Tiperciuc, A. Pîrnău, P. Verite, O. Crisan, I. Ionut
FARMACIA, Vol. 58, 6, 825-833 (2010)

Synthesis and anti-inflammatory evaluation of some new acyl-hydrazones bearing 2-aryl-thiazole
C. Moldovan, O. Oniga, A. Pârvu, B. Tiperciuc, P. Verite, A. Pîrnău, O. Crisan, M. Bojita, R. Pop
European Journal of Medicinal Chemistry 46, 2, 526-534 (2011)

Synthesis and antimicrobial screening of novel 2, 3 or 4-[2-aryl-thiazol-ylmethoxy (oxo-ethoxy)]-benzaldehyde isonicotinoyl hydrazone analogs
Cristina Moldovan, Ovidiu Oniga, Roland Meda, Brîndușa Tiperciuc, Philippe Verite, Adrian Pîrnău, Ovidiu Crișan, Marius Bojiță
Farmacia (59), 5, 659-668 (2011)

Isotopic analysis of some Romanian wines by ^2H NMR and IRMS
Adrian Pîrnău, Mircea Bogdan, Dana Alina Magdas, Delia Statescu,
The Scientific World JOURNAL Analytical Chemistry 2011, (submitted)