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C₃H₇NO₂ CH ₃ CH(NH ₂)COOH	L-Alanine Molecular structure and conformation by ED and QC <i>E. P. Altova, I. I. Marochkin, L. V. Khristenko, A. N. Rykov, and I. F. Shishkov</i> Work in progress
C₃H₈N₄ (CH ₃) ₂ NCH ₂ N ₃	Azidomethyldimethylamine Molecular structure by ED and QC <i>E. P. Altova, O. G. Nabiev, N. M. Karasev, A. N. Rykov, R. G. Kostyanovsky, L. S. Khaikin, and I. F. Shishkov</i> Mendeleev Commun., (2013), in press
C₄H₃FN₂O₂	5-Fluorouracil Molecular structure by ED and QC <i>D. N. Ksenafontov, N. Vogt, and A. N. Rykov</i> Work in progress
C₄H₄N₂O₂	Uracil Interpretation of vibrational spectra by quantum-chemical force field <i>L. S. Khaikin, O. E. Grikina, N. Vogt, and N. F. Stepanov</i> Zh. Fiz. Khim., 86 (2012), 1993/ Russ. J. Phys. Chem. A, 86 (2012), 1855
C₄H₄N₂O₂	Uracil r_a, r_e^{se}, r_e (best ab initio) structure by ED and quantum chemical calculations <i>N. Vogt, L. S. Khaikin, O. E. Grikina, and A. N. Rykov</i> Manuscript in preparation
C₄H₄O₃	Dihydro-2,5-furandione (succinic anhydride) Molecular structure and conformations by ED and QC <i>N. Vogt, E. P. Altova, D. N. Ksenafontov, and A. N. Rykov</i> Work in progress
C₄H₄O₅	Oxobutanedioic acid Molecular structure and conformations by ED and QC <i>L. S. Khaikin, O. E. Grikina, and A. N. Rykov</i> Work in progress
	4-Aminobutanoic acid

C₄H₉NO₂ H ₂ N(CH ₂) ₃ COOH	Molecular structure and conformations by ED and QC <i>D. N. Ksenafontov, N. F. Moiseeva, A. N. Rykov, I. F. Shishkov, and H. Oberhammer</i> Work in progress
C₄H₉NSeSi (CH ₃) ₃ SiNCSe	Trimethylsilyl isoselenocyanate Molecular structure by ED and QC <i>L. S. Khaikin, O. E. Grikina, and I. Hargittai</i> Work in progress
C₅H₆N₂O₂	1-Methyluracil r_a, r_e^{se}, r_e (best ab initio) structure by ED and quantum chemical calculations <i>N. Vogt, I. I. Marochkin, O. V. Dorofeeva, and A. N. Rykov</i> Manuscript in preparation
C₅H₉NSe (CH ₃) ₃ CNCSe	tert-Butyl isoselenocyanate Molecular structure by ED and QC <i>L. S. Khaikin, O. E. Grikina, and I. Hargittai</i> Work in progress
C₆H₃N₃O₆ C ₆ H ₃ (NO ₂) ₃	1,3,5-Trinitrobenzene Molecular structure by ED and QC considering large amplitude vibrations <i>L. S. Khaikin and O. E. Grikina</i> Work in progress
C₆H₅NO₂ C ₅ H ₄ NCOOH	Pyridine-3-carboxylic acid (nicotinic acid) Molecular structure and conformations by ED and QC <i>I. I. Marochkin, N. Vogt, and A. N. Rykov</i> Work in progress
C₆H₅NO₂ C ₅ H ₄ NCOOH	Pyridine-2-carboxylic acid (picolinic acid) Molecular structure and conformations by ED and QC <i>I. N. Kolesnikova, N. Vogt, A. N. Rykov, and J. Vogt</i> Work in progress
C₆H₈N₂O₂	1-Methylthymine r_a, r_e^{se}, r_e (best ab initio) structure by ED and quantum chemical calculations <i>N. Vogt, I. I. Marochkin, I. F. Shishkov, and A. N. Rykov</i> Manuscript in preparation
C₇H₄F₄O C ₆ H ₄ (OCF ₃)F	m-Fluoro(trifluoromethoxy)benzene Conformational composition by vibrational spectroscopy <i>L. V. Khristenko, V. M. Senyavin, B. V. Lokshin, A. L. Vilkova, and I. F. Shishkov</i> Struct. Chem., (2013), in press
C₇H₄F₄O C ₆ H ₄ (OCF ₃)F	o-Fluoro(trifluoromethoxy)benzene Determination of conformational composition by vibrational spectroscopy <i>L. V. Khristenko, V. M. Senyavin, B. V. Lokshin, A. L. Vilkova, and I. F. Shishkov</i> Struct. Chem., (2013), in press
C₇H₇NO C ₆ H ₅ NHCHO	Formanilide (N-phenylformamide) Molecular structure and conformations from GED+MW and QC <i>I. I. Marochkin and O. V. Dorofeeva</i> Struct. Chem., (2013), in press
C₈H₁₁NO₃	l-1-(3,4-Dihydroxyphenyl)-2-aminoethanol (noradrenaline) Molecular structure and conformations by ED and QC <i>M. A. Abaev, A. N. Rykov, M. V. Popik, and I. F. Shishkov</i> Manuscript in preparation
	1,3,5-Tris(trifluoromethyl)benzene

$C_9H_3F_9$ $C_6H_3(CF_3)_3$	Molecular structure and conformation by ED and QC <i>O. V. Dorofeeva, I. N. Kolesnikova, I. F. Shishkov, and H. Oberhammer</i> Manuscript in preparation
$C_9H_{13}NO_3$	(R)-4-(1-Hydroxy-2-(methylamino)ethyl)benzene-1,2-diol (adrenaline) Molecular structure and conformations by ED and QC <i>E. P. Altova, N. Vogt, A. N. Rykov, M. V. Popik, and I. F. Shishkov</i> Work in progress
$C_{10}H_{17}B$	3-Methyl-1-boraadamantane Equilibrium structure and bonding nature by ED and QC <i>Yu. V. Vishnevskiy, M. A. Abaev, A. N. Rykov, M. E. Gurskii, S. Y. Erdyakov, Y. N. Bubnov, and N. W. Mitzel</i> Chem. Eur. J., 18 (2012), 10585
$C_{12}H_{14}N_2O_2$	Carphedon (phenylpiracetam, 2-oxo-4-phenyl-1-pyrrolidineacetamide) Molecular structure and conformations from GED and QC <i>D. N. Ksenafontov, N. F. Moiseeva, A. N. Rykov, I. F. Shishkov, and H. Oberhammer</i> Struct. Chem., (2013), in press
	Indicator of efficiency in the GED experiments Efficiency of experiment <i>A. A. Ivanov</i> Vestn. Mosk. Univ. Ser 2 Khim., 54 (2013), in press
	Comments on "Heat Capacity, Enthalpy of Formation, and Entropy of Methyl Carbamate." <i>I. I. Marochkin and O. V. Dorofeeva</i> Ind. Eng. Chem. Res., 51 (2012), 5372
	Amide bond dissociation enthalpies Effect of substitution on N-C bond strength <i>I. I. Marochkin and O. V. Dorofeeva</i> Comput. Theor. Chem., 991 (2012), 182
	Equilibrium structure and its determination for some biomolecules <i>N. Vogt</i> Doctor of Science Thesis, Moscow State University 2012