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C₄N₄S	1,2,5-Thiadiazole-3,4-dicarbonitrile Structure by GED/MS and QC <i>G. V. Girichev, N. I. Giricheva, and N. V. Tverdova</i> Manuscript ready
C₆H₇NO	4-Methylpyridine-N-oxide Structure by GED/MS and QC calculations <i>N. V. Belova, G. V. Girichev, N. I. Giricheva, K. A. Korolkova, and V. E. Kotova</i> Manuscript in preparation
C₆H₁₀N₂	N-Cyanopiperidine Structure by GED/MS and QC <i>T. D. Phien, S. A. Shlykov, Y. Gao, and P. M. Weber</i> Manuscript in preparation
C₆H₆	Benzene Structure by GED/MS and QC <i>N. W. Mitzel, N. V. Tverdova, A. A. Otlyotov, V. M. Petrov, V. N. Petrova, N. I. Giricheva, and G. V. Girichev,</i> Manuscript in preparation
C₈H₅N₃	3-Aminophthalonitrile IR spectrum <i>D. S. Savelyev, M. K. Islyaikin, and G. V. Girichev</i> <i>Izv. Vys. Uch. Zav., Khim. Khim. Tekhnol., 59 (2016) 28</i>
C₈H₅N₃	3-Aminophthalonitrile Structure by GED/MS and QC <i>N. Vogt, D. S. Savelyev, N. I. Giricheva, M. K. Islyaikin, and G. V. Girichev</i>

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C₈H₆N₂O₂	3-Aminophthalimide IR spectrum <i>D. S. Savelyev, M. K. Islyaikin, and G. V. Girichev</i> Izv. Vys. Uch. Zav., Khim. Khim. Tekhnol., 59 (2016) 35
C₈H₆N₂O₂	3-Aminophthalimide Structure by GED/MS and QC <i>D. S. Savelyev, M. K. Islyaikin, N. I. Giricheva, N. Yu., N. Vogt, J. Vogt, and G. V. Girichev</i> Manuscript in preparation
C₁₀H₆Cl₂O₄S	1,5-Naphthalene disulfonylchloride IR spectrum <i>N. I. Giricheva, G. V. Girichev, D. Christen, S. N. Ivanov, V. M. Petrov, and V. N. Petrova</i> Manuscript in preparation
C₁₀H₆Cl₂O₄S₂	1,5-Naphthalene disulfonylchloride Structure by GED/MS and QC calculations <i>V. M. Petrov, N. I. Giricheva, S. N. Ivanov, V. N. Petrova, and G. V. Girichev</i> J. Mol. Struct., 1132 (2017) 56
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C₁₀H₇ClO₂S	α-Naphthalene sulfonylchloride IR spectrum <i>N. I. Giricheva, G. V. Girichev, D. Christen, S. N. Ivanov, V. M. Petrov, and V. N. Petrova</i> Manuscript in preparation
C₁₀H₉NO₂S	α-Naphthalenesulfonamide IR spectrum <i>N. I. Giricheva, G. V. Girichev, D. Christen, S. N. Ivanov, V. M. Petrov, and V. N. Petrova</i> Manuscript in preparation
C₁₀H₉NO₂S	β-Naphthalenesulfonamide IR spectrum <i>N. I. Giricheva, G. V. Girichev, D. Christen, S. N. Ivanov, V. M. Petrov, and V. N. Petrova</i> Manuscript in preparation
C₁₀H₁₈Si₂	1,4-Bis(trimethylsilyl)-1,3-butadiyne Structure by GED/MS and QC <i>N. V. Tverdova, A. A. Otlyotov, N. I. Giricheva, N. W. Mitzel, and G. V. Girichev</i> Manuscript in preparation
C₁₁H₁₂N₂O₂	L-Tryptophan Structure by GED/MS and QC <i>V. V. Tyunina, N. I. Giricheva, and G. V. Girichev</i> Manuscript in preparation
C₁₁H₁₅N	N-Phenylpiperidine Structure by GED/MS and QC <i>T. D. Phien, S. A. Shlykov, Y. Gao, and P. M. Weber</i> Manuscript in preparation
C₁₁H₁₉O₂	Dipivaloylmethane Structure by GED/MS and QC calculations <i>N. V. Belova, N. H. Trang, H. Oberhammer, and G. V. Girichev</i>

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C₁₂H₁₀	Acenaphthene Structure by GED/MS and QC <i>N. V. Tverdova, A. A. Otlyotov, N. I. Giricheva, N. W. Mitzel, and G. V. Girichev</i> Manuscript in preparation
C₁₂H₁₈Si	1-Methyl-1-phenyl-1-silacyclohexane GED/MS and QC <i>S. A. Shlykov and D. Yu. Osadchiy</i> Refinement in progress
C₁₂H₈	Acenaphthylene Structure by QC <i>N. V. Tverdova, A. A. Otlyotov, N. I. Giricheva, N. W. Mitzel, and G. V. Girichev</i> Manuscript in preparation
C₁₄H₁₀	Anthracene Structure by GED/MS and QC <i>N. W. Mitzel, N. V. Tverdova, A. A. Otlyotov, V. M. Petrov, V. N. Petrova, N. I. Giricheva, and G. V. Girichev</i> Manuscript in preparation
C₁₅H₂₁FeO₆	Iron tris-acetylacetonate Molecular and electronic structure by GED/MS and QC <i>A. A. Petrova, N. I. Giricheva, N. V. Tverdova, N. P. Kuzmina, and G. V. Girichev</i> Manuscript ready
C₁₆N₁₆S₄Zn	Zinc tetrakis(thiadiazole)porphyrane Structure by GED/MS and QC <i>N. V. Tverdova, N. I. Giricheva, D. S. Savelyev, N. Vogt, J. Vogt, and G. V. Girichev</i> Manuscript ready
C₂₄H₂₆Si₂	1,8-Bis(trimethylsilylethynyl)anthracene Structure by GED/MS and QC calculations <i>J.-H. Lamm, S. Blomeyer, N. W. Mitzel, V. V. Rybkin, Yu. A. Zhabanov, N. V. Tverdova, A. A. Otlyotov, N. I. Giricheva, and G. V. Girichev</i> Manuscript in preparation
C₂₆H₁₆N₈	Hemiporphyrane Structure by GED/MS and QC <i>Yu. A. Zhabanov, A. E. Pogonin, A. A. Otlyotov, M. K. Islyaikin, and G. V. Girichev</i> Manuscript in preparation
C₂₈H₁₈N₆	Dicarbhemiporphyrane Structure by GED/MS and QC <i>Yu. A. Zhabanov, A. E. Pogonin, A. A. Otlyotov, M. K. Islyaikin, and G. V. Girichev</i> Manuscript in preparation
C₂₈H₂₈N₄Ni	Nickel octamethylporphyrin Structure by GED/MS and QC <i>A. E. Pogonin, N. V. Tverdova, Yu. V. Minenkov, N. I. Giricheva, and G. V. Girichev</i> Manuscript in preparation
C₃₂H₃₆CoN₄	Cobalt-etiochlorophyllin-II Structure by GED/MS and QC <i>G. V. Girichev, A. E. Pogonin, N. V. Tverdova, and N. I. Giricheva</i> Manuscript in preparation
	Nickel-etiochlorophyllin-II

C₃₂H₃₆N₄Ni	Structure by GED/MS and QC <i>G. V. Girichev, A. E. Pogonin, N. V. Tverdova, and N. I. Giricheva</i> Manuscript in preparation
C₃₃H₅₇O₆Tm	Thullium trisdipivaloylmethanate Structure by GED/MS and QC calculations <i>O. A. Pimenov, N. V. Belova, and V. V. Sliznev</i> J. Mol. Struct., 1132 (2017) 167
C₄₄H₂₈N₄Pd	Palladium tetraphenylporphyrin Structure by GED/MS and QC, IR spectrum <i>D. S. Savelyev, N. V. Tverdova, N. I. Giricheva, N. Vogt, J. Vogt, and G. V. Girichev</i> Manuscript ready
C₄₄H₂₈N₄Zn	Zinc tetraphenylporphyrin Structure by GED/MS and QC, IR spectrum <i>D. S. Savelyev, N. V. Tverdova, N. I. Giricheva, V. A. Ol'shevckaya, N. Vogt, J. Vogt, and G. V. Girichev</i> Manuscript ready
	Tetrakis hexafluoroacetylacetonates of La, Gd and Lu MS/Td <i>A. E. Khochenkov, N. V. Belova, A. V. Krasnov, Yu. A. Zhabanov, and G. V. Girichev</i> Manuscript in preparation
	Phthalocyanine derivatives Structure, frontier orbitals, photovoltaic cell, QC <i>A. I. Smirnova, N. I. Giricheva, K. M. Soldatova, and N. V. Usol'tseva</i> Zhid. Krist. Ikh Prakt. Ispolz., 16 (2016) 42
	Potential mesogens based on pyridine derivatives Structure, hydrogen bond, NBO-analysis, DFT calculation <i>M. S. Fedorov, N. I. Giricheva, K. E. Shpilevaya, E. A. Lapykina, and S. A. Syrbu</i> J. Mol. Struct., 1132 (2017) 50
	Triple cage methane hydrate cluster Structure, vibr. frequencies, EI by QC <i>N. I. Giricheva, A. A. Ischenko, V. I. Yusupov, V. N. Bagratashvili, and G. V. Girichev</i> J. Mol. Struct., 1132 (2017) 157
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	Sodium dodecylsulfate Lyotropic mesomorphism with glycine, quantum chemical calculations. <i>N. V. Usol'tseva, A. I. Smirnova, N. V. Zharnikova, M. S. Kurbatova, N. I. Giricheva, and V. G. Badelin</i> Zhid. Krist. Ikh Prakt. Ispolz., 16 (2016) 70
	Rare earth trisdipivaloylmethanates Structure and vibrational spectra by QC calculations experimental IR and Raman spectra <i>N. V. Belova, V. V. Sliznev, and D. Christen</i> J. Mol. Struct., 1132 (2017) 34
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	Mg tetra(1,2,5-chalcogenadiazolo)porphyrazines Structure by QC <i>Yu. A. Zhabanov, N. V. Tverdova, and G. V. Girichev</i> Manuscript in preparation