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CBr₃O₆ BrC(NO ₂) ₃	Bromotrinitromethane <i>T. M. Klapötke, Krumm, Yu. V. Vishnevskiy, C. G. Reuter, and N. W. Mitzel</i> Manuscript in preparation
CFN₃O₆ FC(NO ₂) ₃	Fluorotrinitromethane <i>T. M. Klapötke, Krumm, Yu. V. Vishnevskiy, C. G. Reuter, and N. W. Mitzel</i> Manuscript in preparation
C₂CINS CIC(O)NCS	Chloroformyl isothiocyanate Spectroscopic characterization, constitutional and rotational isomerism of CIC(O)SCN and CIC(O)NCS <i>L. A. Ramos, S. E. Ulic, R. M. Romano, M. F. Erben, Yu. V. Vishnevskiy, C. G. Reuter, N. W. Mitzel, H. Beckers, H. Willner, X. Zeng, E. Bernhardt, M. Ge, S. Tong, and C. O. Della Védova</i> J. Org. Chem., submitted
C₂Cl₂FNS Cl ₂ FCSCN	Dichlorofluoromethyl thiocyanate <i>C. G. Reuter, Yu. V. Vishnevskiy, N. W. Mitzel, and C. O. Della Védova</i> Manuscript in preparation
C₂Cl₃NS Cl ₃ CSCN	Trichloromethyl thiocyanate <i>C. G. Reuter, Yu. V. Vishnevskiy, N. W. Mitzel, and C. O. Della Védova</i> Manuscript in preparation
C₂H₂CINS ClH ₂ CSCN	Chloromethyl thiocyanate <i>C. G. Reuter, Yu. V. Vishnevskiy, N. W. Mitzel, and C. O. Della Védova</i> Manuscript in preparation
C₃ClF₂NOS ClF ₂ CC(O)NCS	Chlorodifluoroacetyl isothiocyanate Preparation, structural studies and molecular spectroscopies <i>L. A. Ramos, S. E. Ulic, R. M. Romano, Yu. V. Vishnevskiy, N. W. Mitzel, H. Beckers, H. Willner, S. Tong, M. Ge, and C. O. Della Védova</i> Manuscript in preparation
C₃ClF₂NO₂ ClF ₂ CC(O)NCO	Chlorodifluoroacetyl isocyanate Preparation and structural and spectroscopic studies <i>L. A. Ramos, S. E. Ulic, R. M. Romano, Yu. V. Vishnevskiy, R. J. F. Berger, N. W. Mitzel, H. Beckers, H. Willner, S. Tong, M. Ge, and C. O. Della Védova</i> J. Phys. Chem. A, 47 (2012), 11586
C₃ClF₅O	Perfluoropropionyl chloride

$\text{CF}_3\text{CF}_2\text{C}(\text{O})\text{Cl}$	<i>Yu. V. Vishnevskiy, C. G. Reuter, N. W. Mitzel, Y. Berrueta Martinez, and C. O. Della Védova</i> Manuscript in preparation
$\text{C}_3\text{F}_5\text{IO}$ $\text{CF}_3\text{CF}_2\text{C}(\text{O})\text{I}$	Perfluoropropionyl iodide <i>Yu. V. Vishnevskiy, C. G. Reuter, N. W. Mitzel, Y. Berrueta Martinez, and C. O. Della Védova</i> Manuscript in preparation
$\text{C}_3\text{F}_6\text{O}$ $\text{CF}_3\text{CF}_2\text{C}(\text{O})\text{F}$	Perfluoropropionyl fluoride <i>Yu. V. Vishnevskiy, C. G. Reuter, N. W. Mitzel, Y. Berrueta Martinez, and C. O. Della Védova</i> Manuscript in preparation
$\text{C}_3\text{H}_3\text{NO}_3$ $\text{HC}\equiv\text{CCH}_2\text{ONO}_2$	Propargyl nitrate Structures of energetic acetylene derivatives $\text{HC}\equiv\text{CCH}_2\text{ONO}_2$, $(\text{NO}_2)_3\text{CCCH}_2\text{C}\equiv\text{CCH}_2\text{C}(\text{NO}_2)_3$ and trinitroethane $(\text{NO}_2)_3\text{CCCH}_3$ <i>T. M. Klapötke, B. Krumm, R. Moll, A. Penger, S. M. Sproll, R. J. F. Berger, S. A. Hayes, and N. W. Mitzel</i> <i>Z. Naturforsch. B</i> , (2013), in press
$\text{C}_4\text{HF}_{10}\text{OP}$ $\text{HOP}(\text{C}_2\text{F}_5)_2$	Bis(pentafluoroethyl)phosphinous acid Improved syntheses and molecular structures in the gas phase <i>A. V. Zakharov, N. Allefeld, J. Bader, B. Kurscheid, S. Steinhauer, B. Hoge, Yu. V. Vishnevskiy, B. Neumann, H.-G. Stammler, R. J. F. Berger, and N. W. Mitzel</i> <i>Chem. Eur. J.</i> , submitted
$\text{C}_4\text{HF}_{10}\text{P}$ $\text{HP}(\text{C}_2\text{F}_5)_2$	Bis(pentafluoromethyl)phosphine Improved syntheses and molecular structures in the gas phase <i>A. V. Zakharov, N. Allefeld, J. Bader, B. Kurscheid, S. Steinhauer, B. Hoge, Yu. V. Vishnevskiy, B. Neumann, H.-G. Stammler, R. J. F. Berger, and N. W. Mitzel</i> <i>Chem. Eur. J.</i> , submitted
$\text{C}_4\text{H}_{12}\text{O}_3\text{Si}$ $\text{tBuSi}(\text{OH})_3$	tert-Butylsilanetriol Silanetriols in the gas phase: single molecules vs. hydrogen-bonded dimers <i>S. Spirk, R. J. F. Berger, C. G. Reuter, R. Pietschnig, and N. W. Mitzel</i> <i>Dalton Trans.</i> , 41 (2012), 3630
$\text{C}_5\text{H}_{11}\text{ISi}$ $\text{CH}_2(\text{CH}_2\text{CH}_2)_2\text{SiH-I}$	1-Iodo-1-silacyclohexane Structure and conformations by ED and computational methods <i>A. V. Belyakov, A. A. Baskakov, R. J. F. Berger, N. W. Mitzel, H. Oberhammer, I. Arnason, and S. Ö. Wallevik</i> <i>J. Mol. Struct.</i> , 1012 (2012), 126
$\text{C}_{10}\text{H}_{17}\text{B}$	3-Methyl-1-boraadamantane Structure and bonding nature of the strained lewis acid: A case study employing a new data-analysis procedure in gas electron diffraction <i>Yu. V. Vishnevskiy, M. A. Abaev, A. N. Rykov, M. E. Gurskii, P. A. Belyakov, S. Y. Erdyakov, Y. N. Bubnov, and N. W. Mitzel</i> <i>Chem. Eur. J.</i> , 34 (2012), 10585
$\text{C}_{18}\text{H}_{15}\text{Bi}$ $\text{Bi}(\text{C}_6\text{H}_5)_3$	Triphenylbismuthine Relativistic effects their influence on molecular structure and spectroscopic properties <i>R. J. F. Berger, D. Rettenwander, S. Spirk, C. Wolf, M. Patzschke, M. Ertl, U. Monkowius, and N. W. Mitzel</i> <i>Phys. Chem. Chem. Phys.</i> , 44 (2012), 15520
$\text{F}_2\text{N}_3\text{OP}$	Difluorophosphoryl azide

F₂PON₃

*H. Beckers, H. Willner, R. J. F. Berger, Yu. V. Vishnevskiy, C. G. Reuter,
and N. W. Mitzel*
Manuscript in preparation