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C₂F₆O₂S₂ CF ₃ SO ₂ SCF ₃	Trifluoromethanesulfonyl trifluoromethyl ester Structure by GED and ab initio calculations <i>S. L. Masters, D. A. Wann, H. E. Robertson, D. W. H. Rankin, A. Ben Altabef et al.</i> Manuscript in preparation
C₄H₁₆B₂N₂ BH ₃ -C ₄ H ₁₀ N ₂ -BH ₃	Piperidine-diborane Structure by GED and ab initio calculations <i>A. M. Ja'o, J. P. F. Nunes, C. D. Rankine, D. A. Wann, S. L. Masters</i> Manuscript Submitted
C₆H₈O₄	2,2-Dimethyl-1,3-dioxane-4,6-dione (Meldrum's Acid) Structure by GED and ab initio calculations <i>S. J. Atkinson and S. L. Masters</i> Manuscript in preparation
C₇H₁₆Cl₃PSi (ⁱ Bu) ⁱ Pr)PSiCl ₃	(Tert-butyl)(iso-propyl)(trichlorosilyl)phosphine Structure by GED, UCONGA and ab initio calculations <i>I. Wagner, D. W. H. Rankin, S. L. Masters</i> <i>Dalton Trans.</i> , 2021, 50, 17000-17007.
C₁₂H₃₆P₂Si₄ P ₂ (SiMe ₃) ₄	1,1,2-Tetrakis(trimethylsilyl)diphosphane Structure by GED, UCONGA and ab initio / DFT methods <i>A. P. Flanagan, H. Humphrey-Taylor, N. R. Gunby, H. E. Robertson, S. L. Masters</i> Manuscript in preparation
C₁₄H₁₄O₂S (C ₆ H ₅ CH ₂) ₂ SO ₂	Dibenzyl sulfone Structure by GED and ab initio / DFT methods <i>R. Noble-Eddy, B. H. C. Wilson, S. L. Masters</i> Manuscript in preparation
C₁₈H₅₄Si₈ Si ₂ (SiMe ₃) ₆	Hexakis-trimethylsilyl-disilane Vibrational spectra and structure by GED and ab initio calculations <i>K. Hassler, H. E. Robertson, S. L. Masters et al.</i> Manuscript in preparation