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$C_{12}H_8O_4Si$ $(C_6H_4O_2)_2Si$	**Bis(catecholato)silane** Structure by GED and XRD and aggregation in solution by NMR *D. Hartmann, T. Thorwart, R. Müller, J. Thusek, J. Schwabedissen, A. Mix, J.-H. Lamm, B. Neumann, N. W. Mitzel, L. Greb* *J. Am. Chem. Soc.* **2021**, *143* , 18784 - 18793.
$C_{28}H_{52}O_4Si$ $(C_6H_2(C_4H_9)_2O_2)_2Si$	**Bis(3,5-di-*tert*- butylcatecholato)silane** Structure by GED and XRD and aggregation in solution by NMR *D. Hartmann, T. Thorwart, R. Müller, J. Thusek, J. Schwabedissen, A. Mix, J.-H. Lamm, B. Neumann, N. W. Mitzel, L. Greb* *J. Am. Chem. Soc.* **2021**, *143* , 18784 - 18793.
$C_{11}H_{12}NF_5Te$ $(CH_3)_2N\text{-}(CH_2)_3\text{-}Te\text{-}C_6F_5$	**(*N,N*-Dimethylaminopropyl)(pentafluorophenyl)tellurium** Structure and conformational analysis by GED; structure by XRD *T. Glodde,Yu. V. Vischnevskiy, L. Zimmermann, H.-G. Stammler, B. Neumann and N. W. Mitzel* Angew. Chem. Int. Ed. **2021**, *60* , 1519 - 1523
$C_{11}H_{12}NF_5Te$ $(CH_3)_2N\text{-}(CH_2)_3\text{-}Te\text{-}C_6F_5$	**(*N,N*- Dimethylaminopropyl)(pentafluorophenyl)tellurium** Structure and conformational analysis by GED; structure by XRD Yu. V. Vishnevskiy and N. W. Mitzel Angew. Chem. Int. Ed. **2021**, 60, 13150 - 13157
$C_7H_3F_5Te$ $CH_3\text{-}Te\text{-}C_6F_5$	**Pentafluoromethyltellurium** Structure and conformational analysis by GED; structure by XRD *T. Glodde,Yu. V. Vischnevskiy, L. Zimmermann, H.-G. Stammler, B. Neumann and N. W. Mitzel* Angew. Chem. Int. Ed. **2021**, *60* , 1519 - 1523
$C_9H_9AsF_5I$ $(CH_3)_3As \cdots I\text{-}C_6F_5$	**Trimethylarsine-Pentafluoroiodobenzene adduct** Structure by XRD, theor. analysis using local energy decomposition (LED) M. Bujak, H.-G. Stammler, Yu. V. Vishnevskiy and N. W. Mitzel CrystEngComm **2021**, *24* , 70 - 76
$C_9H_9F_5ISb$ $(CH_3)_3Sb \cdots I\text{-}C_6F_5$	**Trimethylstibine-Pentafluoroiodobenzene adduct** Structure by XRD, theor. analysis using local energy decomposition (LED) M. Bujak, H.-G. Stammler, Yu. V. Vishnevskiy and N. W. Mitzel CrystEngComm **2021**, *24* , 70 - 76
$C_{14}H_{18}B_2$	**1,8-Bis-(dimethylboranyl)-naphthalene (hydride sponge)** Structure by GED and XRD C. Becker, J. Schwabedissen, B. Neumann, H.-G. Stammler, N. W. Mitzel *Manuscript in Preparation*
$C_6H_4O_2F_{15}Ga$	**Tris(pentafluoroethyl)gallium-dihydrate** Structure by GED

$(C_2F_5)_3Ga(OH_2)_2$	*J. Schwabedissen, N. W. Mitzel, K. Tölke, B. Hoge* *Manuscript in Preparation*
$C_6H_4O_2F_{15}In$ $(C_2F_5)_3In(OH_2)_2$	**Tris(pentafluoroethyl)indium-dihydrate** Structure by GED and XRD *J. Schwabedissen, N. W. Mitzel, S. Porath, B. Hoge* *Manuscript in Preparation*
$C_3O_2HF_5$ $CF_3CF_2C(O)OH$	**Perfluorpropionic acid** Structure by GED and XRD *P. C. Trapp, L. M. Mendrina, J. Schwabedissen, H.-G. Stammler, N. W. Mitzel* *Manuscript in Preparation*
$C_3ONH_2F_5$ $CF_3CF_2C(O)NH_2$	**Perfluorpropionic amide** Structure by GED and XRD *P. C. Trapp, L. M. Mendrina, J. Schwabedissen, H.-G. Stammler, N. W. Mitzel* *Manuscript in Preparation*
$C_{10}HOF_{15}$ $C_{10}F_{15}OH$	**Perfluoroadamantanol** Structure by GED *P. C. Trapp, J. Schwabedissen, N. W. Mitzel* *Manuscript in Preparation*
$C_{19}HOF_{15}$ $(C_6F_5)_3COH$	**Perfluorotritylalcohol** Structure by GED *P. C. Trapp, J. Schwabedissen, N. W. Mitzel* *Manuscript in Preparation*
C_4HOF_9 $(CF_3)_3COH$	**Perfluoro-*tert*- butanol** Structure by GED *P. C. Trapp, J. Schwabedissen, N. W. Mitzel* *Manuscript in Preparation*
$C_{14}H_{22}Si_2$ C_8H_4-1,6$(Si(CH_3)_3)_2$	**Bis-1,6-(trimethylsilyl)octatetraene** Structure by GED and XRD *P. C. Trapp, N. W. Mitzel, J. M. Schümann, P. R. Schreiner* *Manuscript in Preparation*
$C_3O_2NF_9S$ $CF_3S(O)_2N(CF_3)_2$	***N,N*-Bis(trifluoromethyl)amido trifluoromethyl sulfonate** Structure by GED and XRD *J. Schwabedissen, N. W. Mitzel, Y. K. J. Bejaoui, M. Finze* *Manuscript in Preparation*
$CH_2O_3F_2S$ $FS(O)_2OCH_2F$	**Monofluoromethyl fluorosulfate** Structure by GED and XRD *P. C. Trapp, J. Schwabedissen, N. W. Mitzel, M. Reichel, B. Krumm, K. Karaghiosoff* *Manuscript in Preparation*
$C_2H_2O_3F_4S$ $CF_3S(O)_2OCH_2F$	**Trifluoromethanesulfonic acid monofluoromethyl ester** Structure by GED and XRD *P. C. Trapp, J. Schwabedissen, N. W. Mitzel, M. Reichel, B. Krumm, K. Karaghiosoff* *Manuscript in Preparation*
$C_{14}H_{39}Al$ $((Me_3Si)_2CH)_2AlH$	**Bis(bis(trimethylsilyl)methyl)alane** Structure by GED *N. Aders, J. Schwabedissen and N. W. Mitzel* *Manuscript in preparation*
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