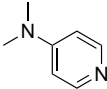
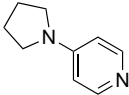


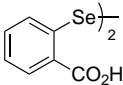
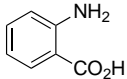
4a



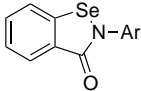
DMAP



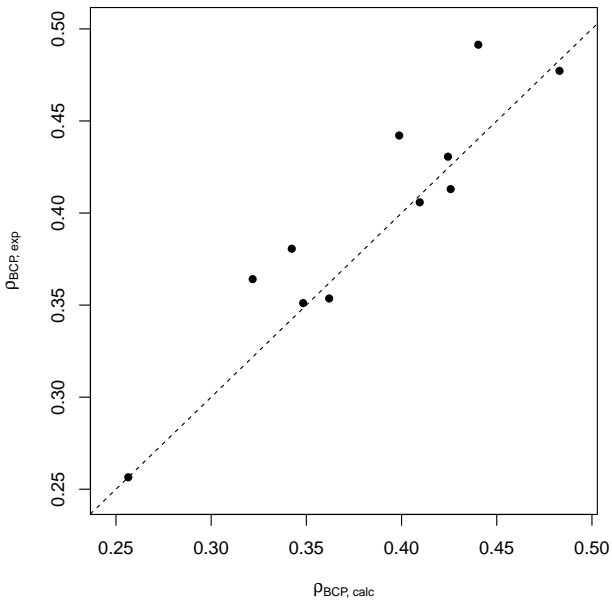
4b

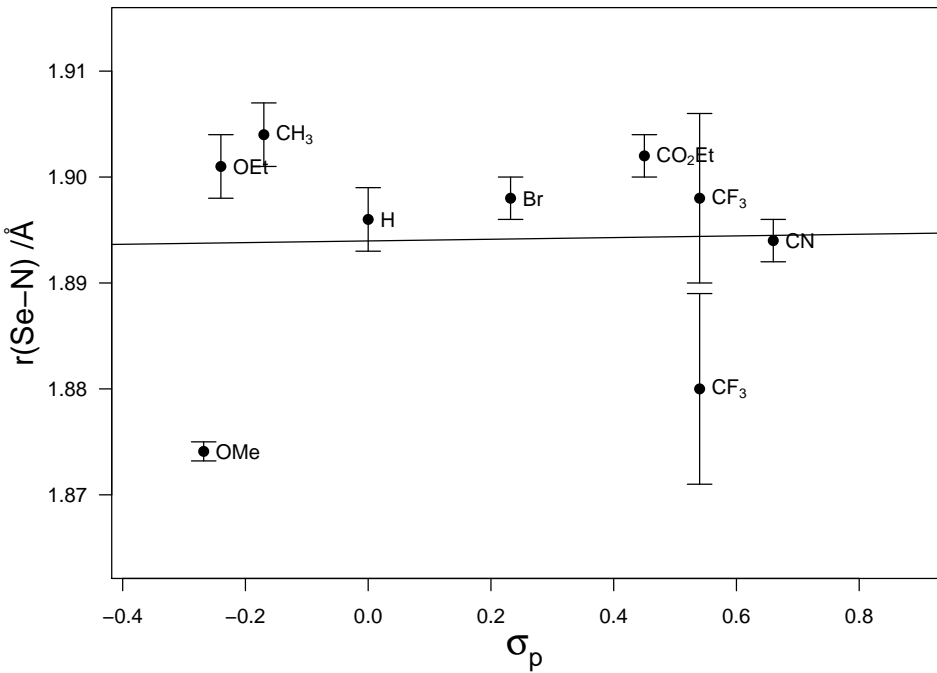


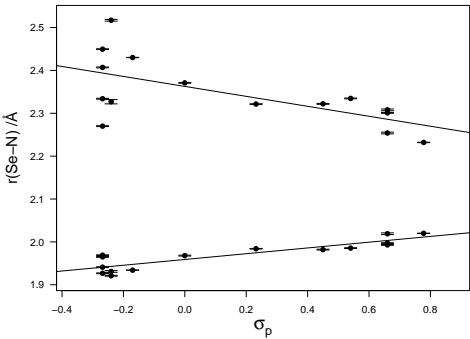
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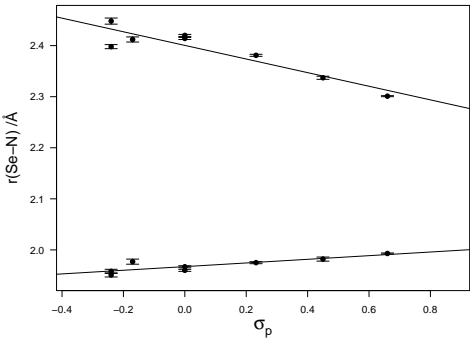


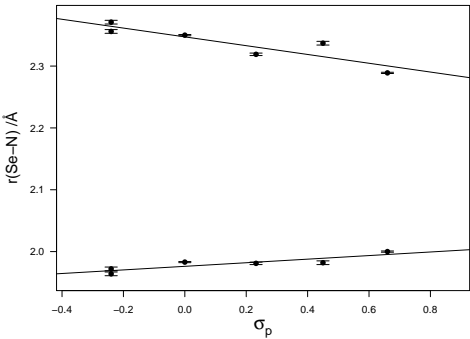
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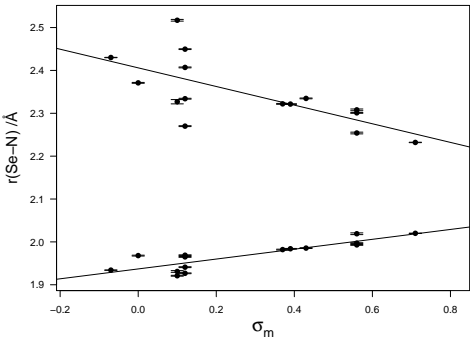


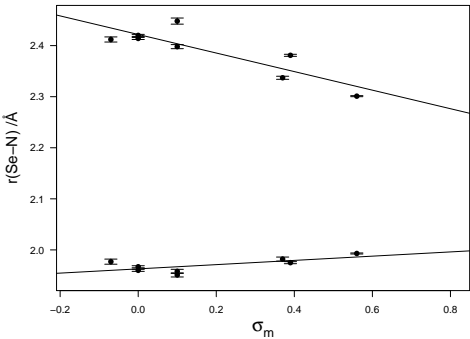


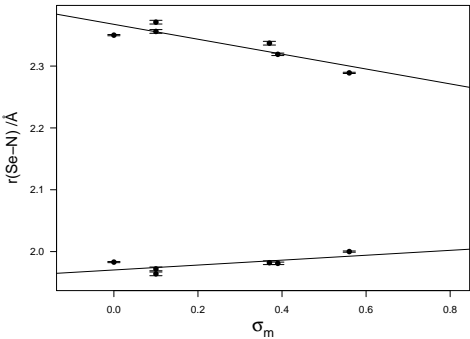


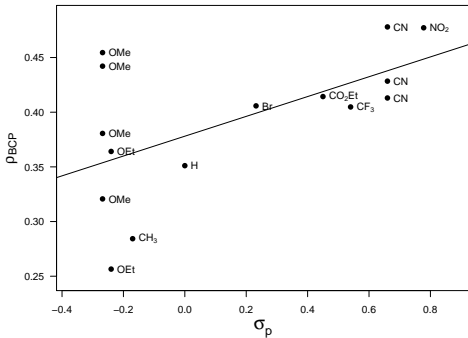


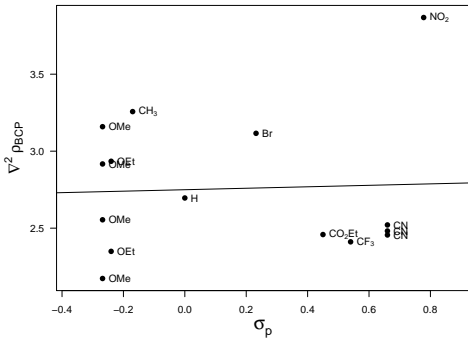


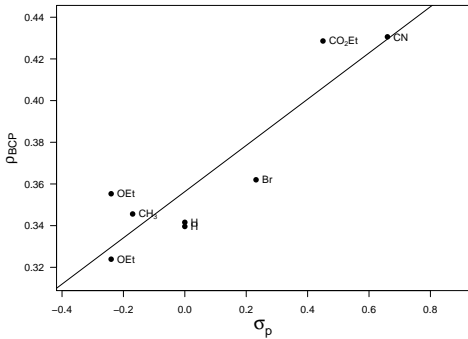


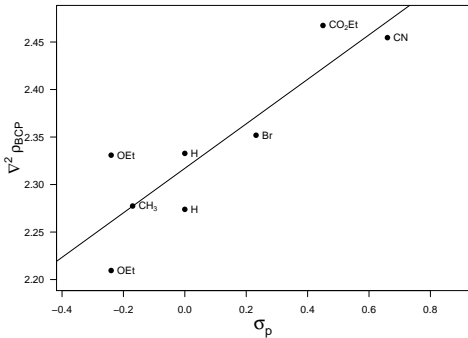


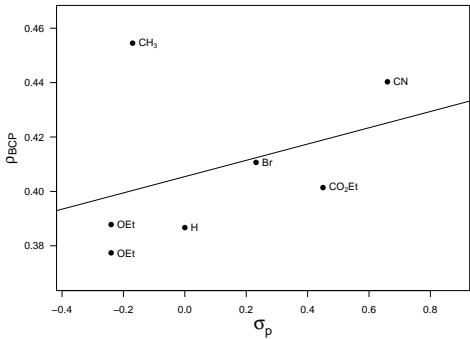


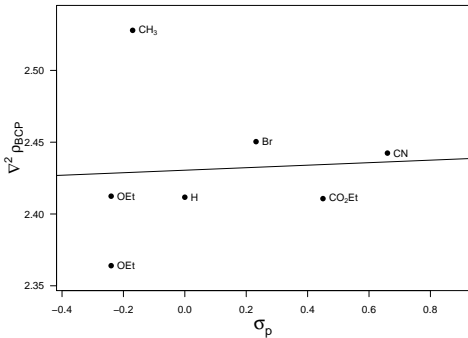


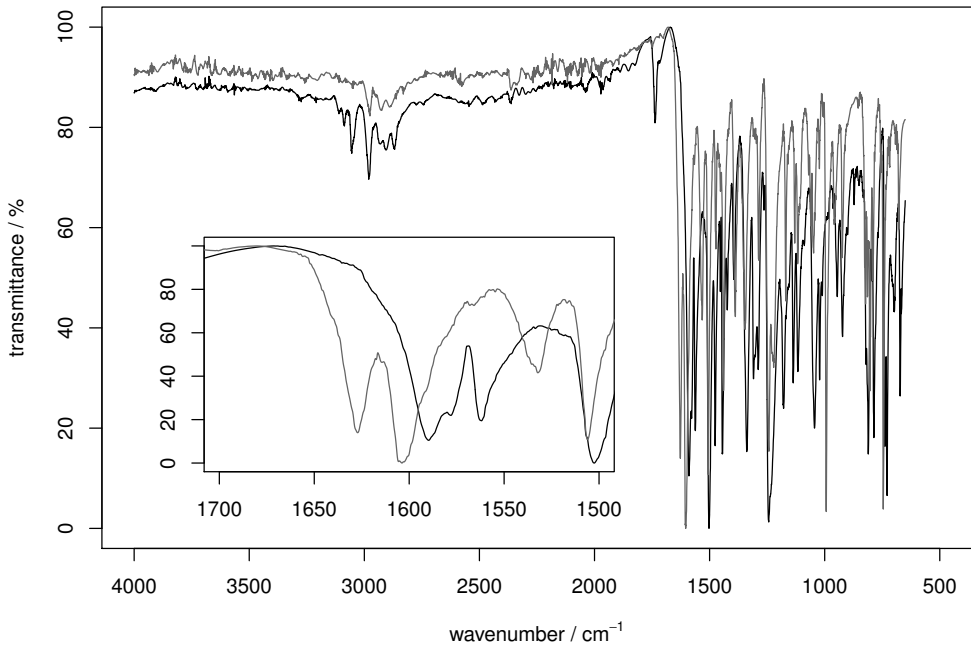


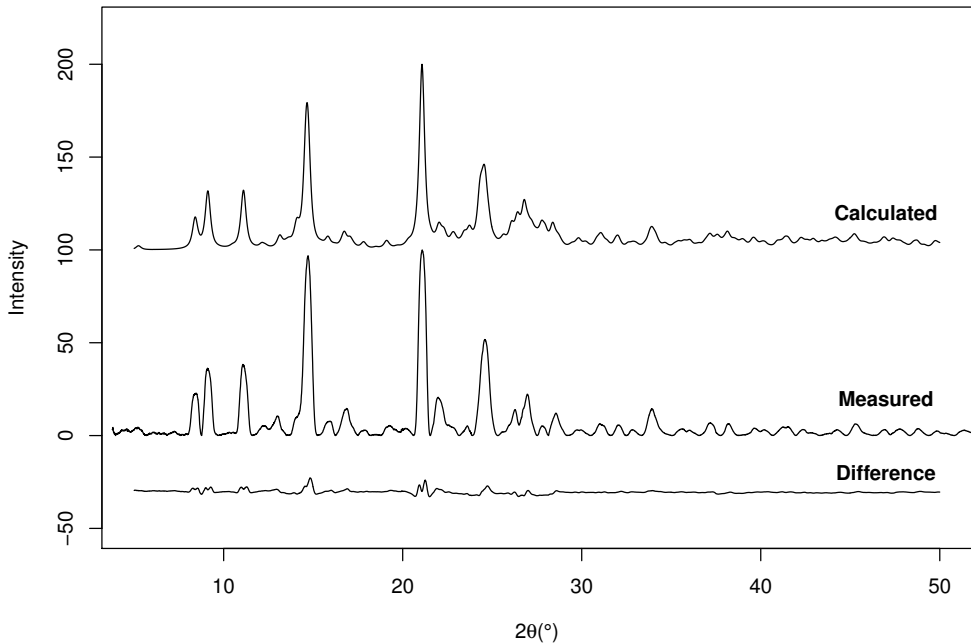


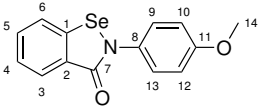
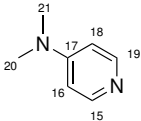


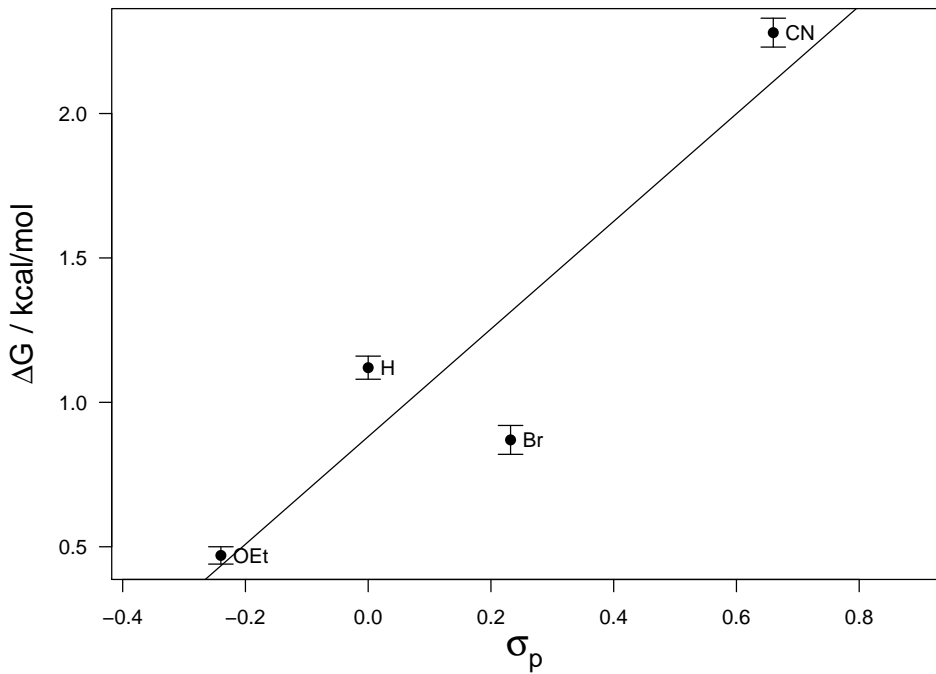


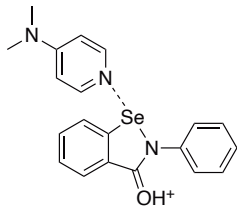






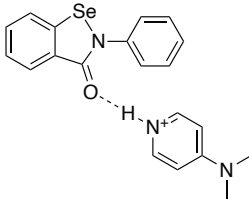




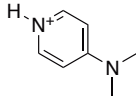


m/z: 398.08

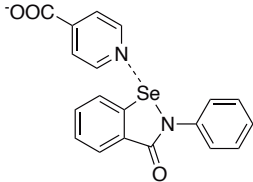
or



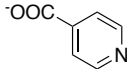
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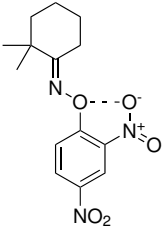
m/z: 123.09



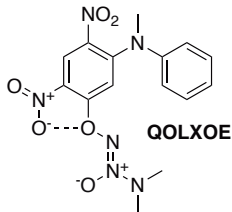
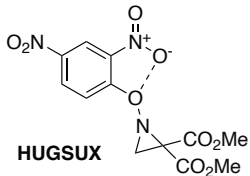
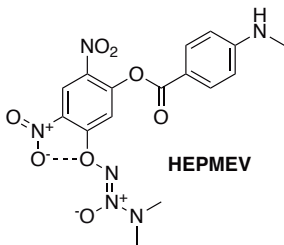
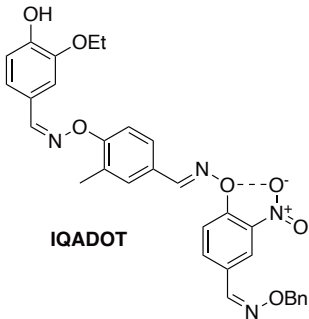
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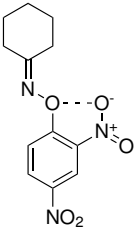


m/z: 122.02

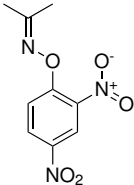


7

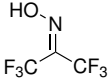
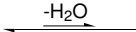
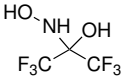


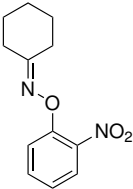


8

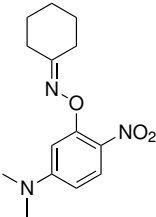


9

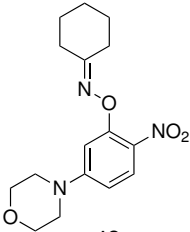




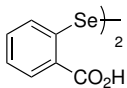
10



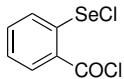
11



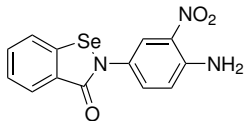
12



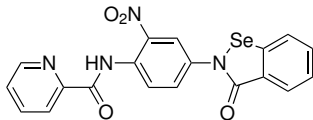
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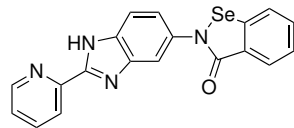
6



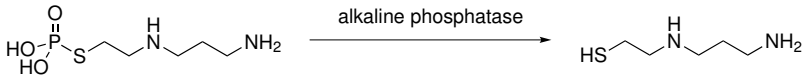
16

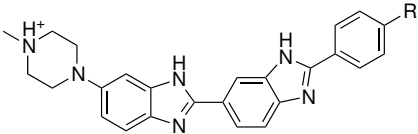


15



14

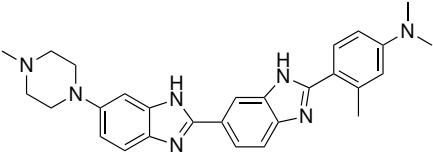


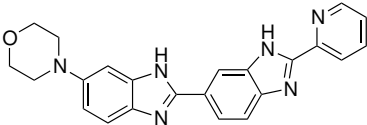


Hoechst 33258 R: OH

Hoechst 33342 R: OCH_2CH_3

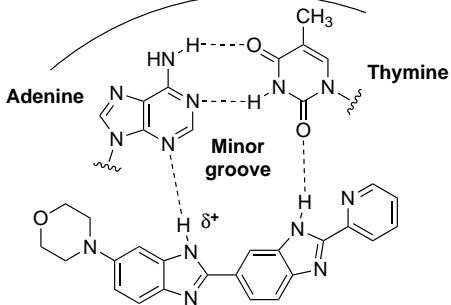
Hoechst 34580 R: $\text{N}(\text{CH}_3)_2$



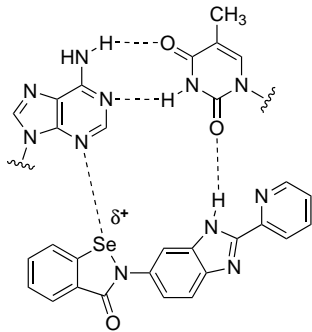


13

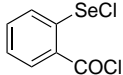
Major groove



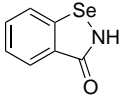
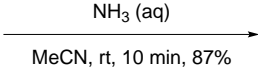
13



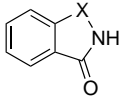
14



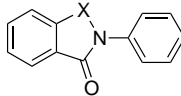
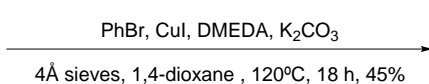
6



1b

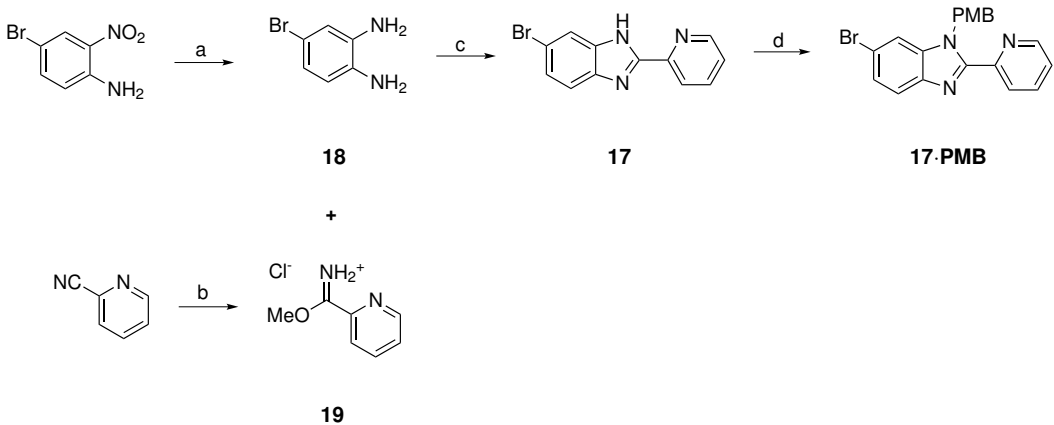


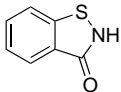
1b and **1b-S**



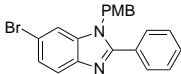
1 and **1-S**

X = S, Se





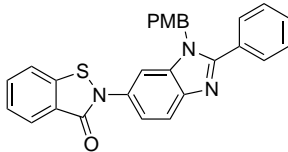
1b-S



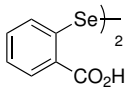
20-PMB

CuI, DMEDA, K₂CO₃

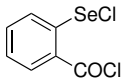
4 Å sieves, 1,4-dioxane, 120°C, 24 h, 48%



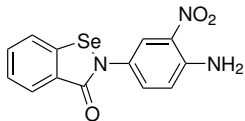
21-S-PMB



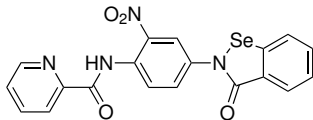
5



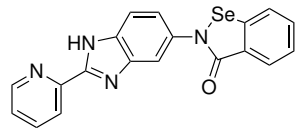
6



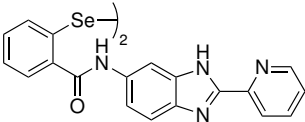
16



15



14



22

