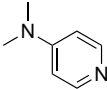
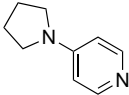


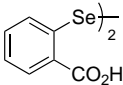
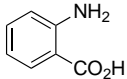
4b



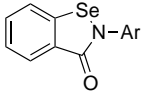
DMAP



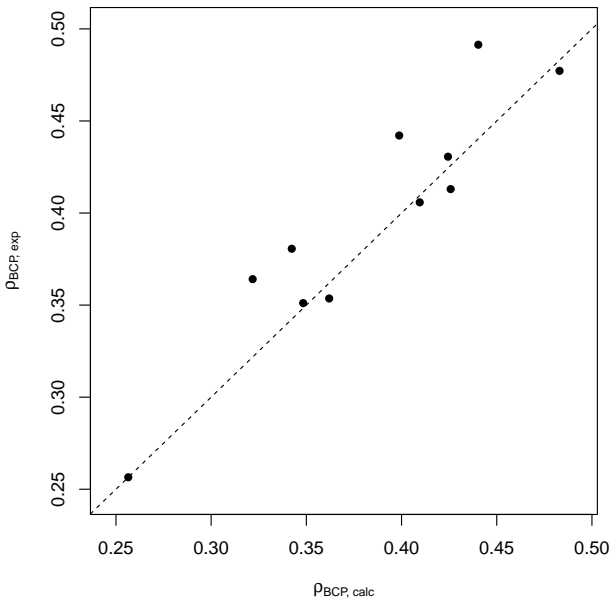
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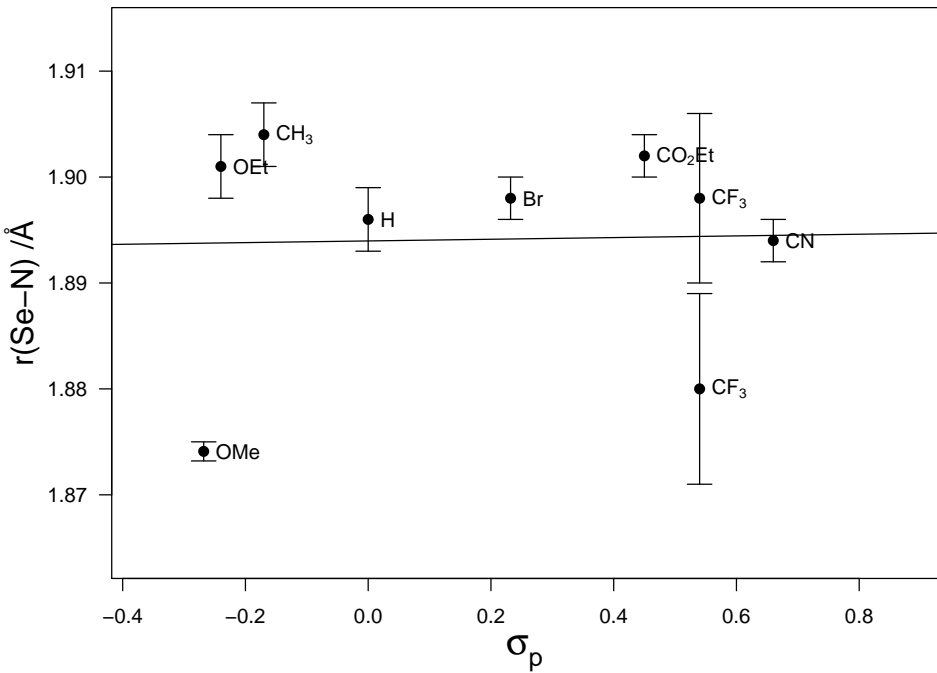


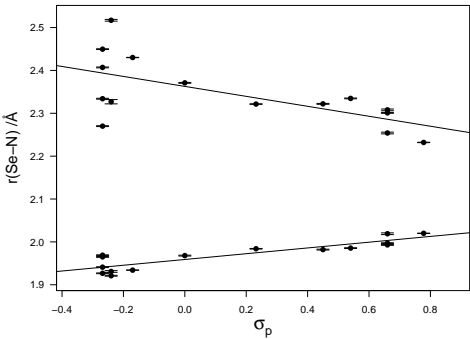
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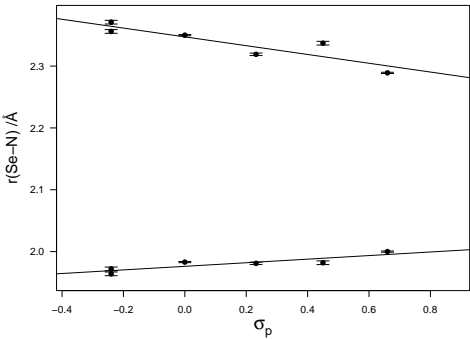


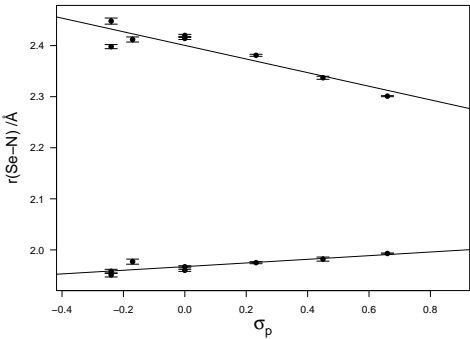
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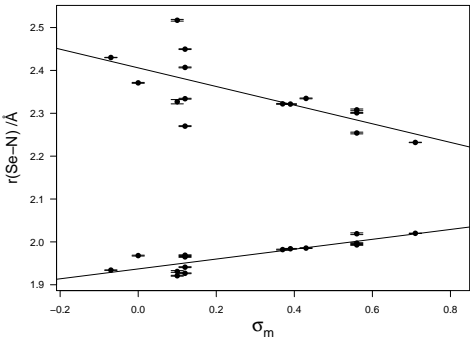


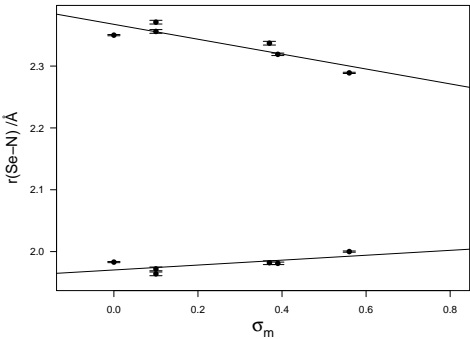


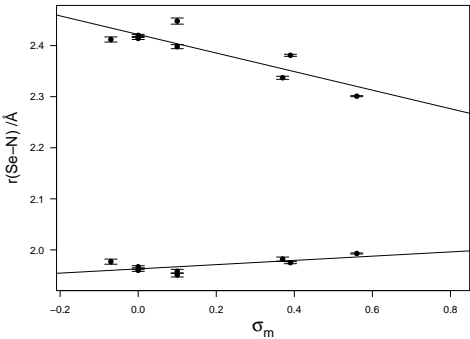


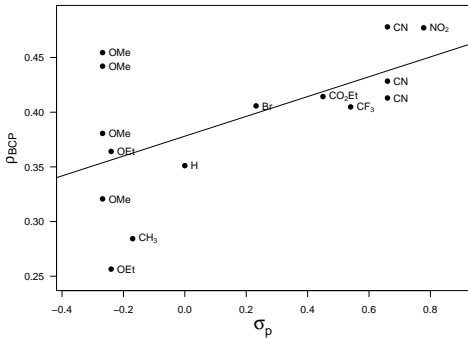


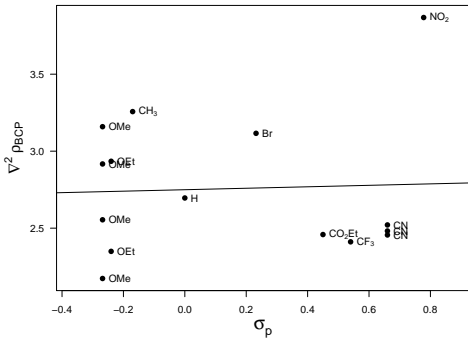


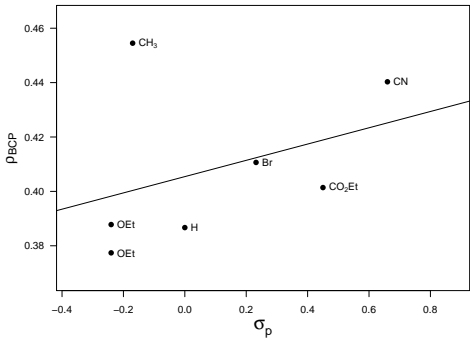


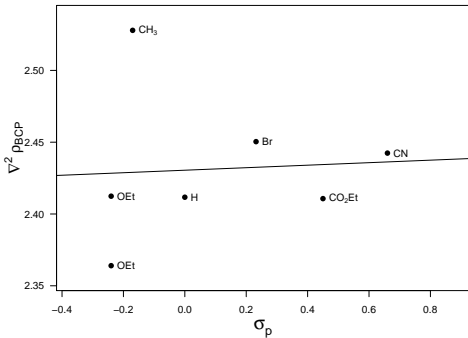


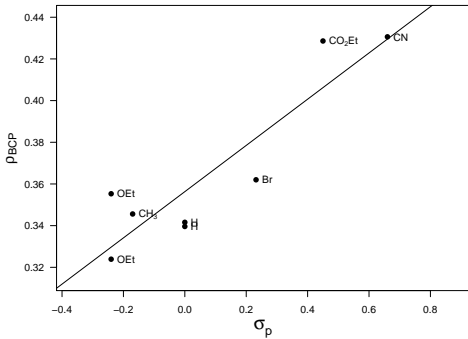


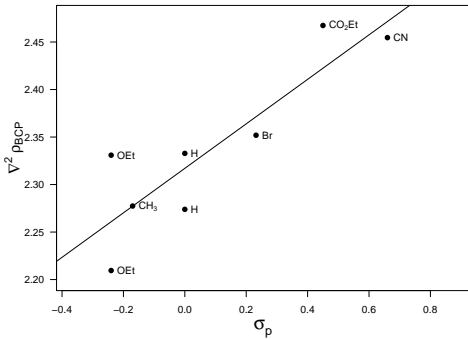


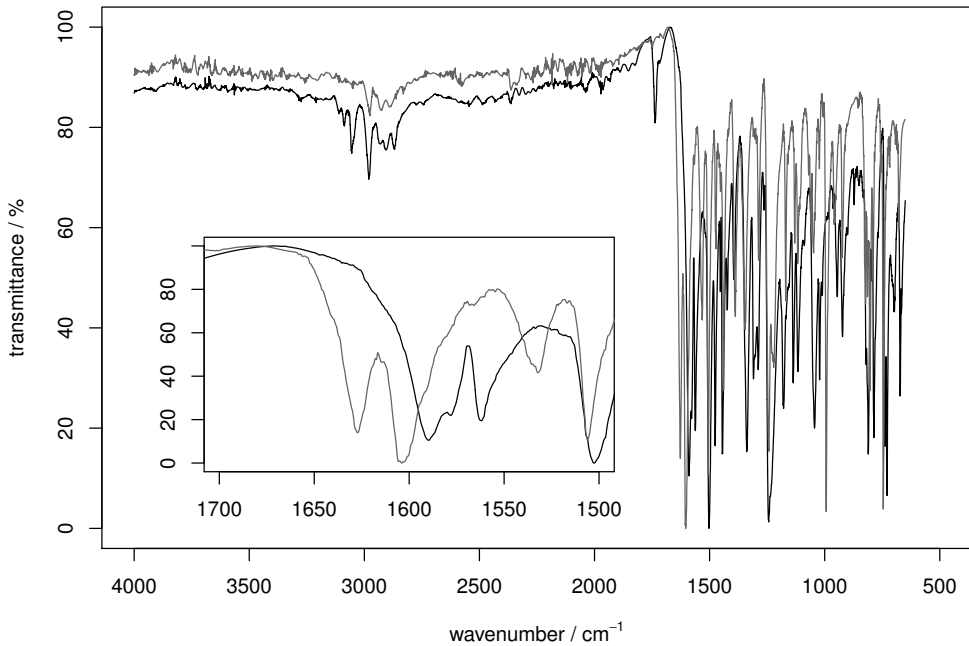


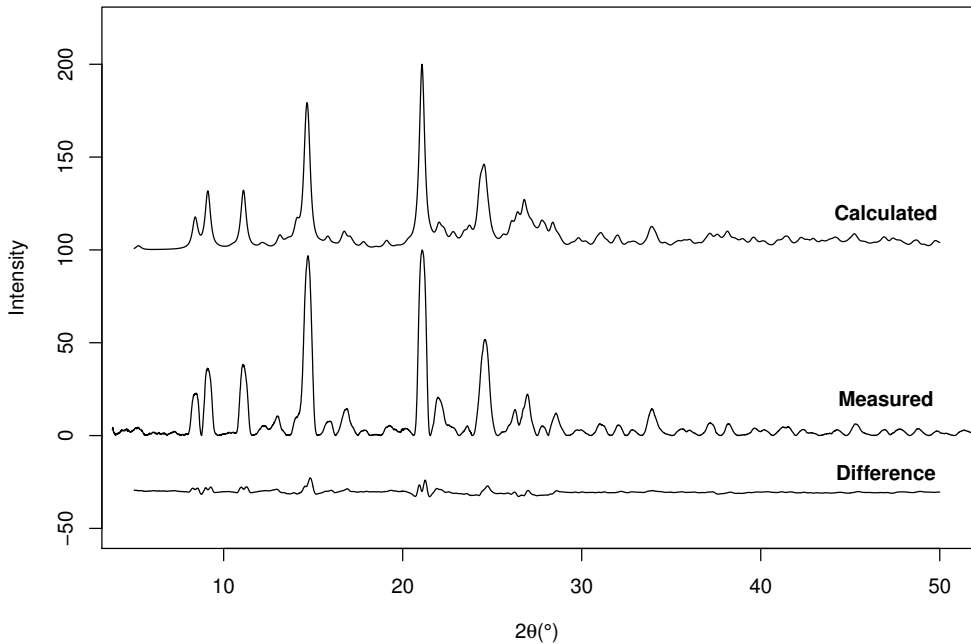


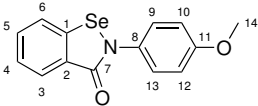
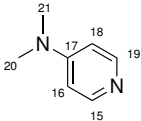


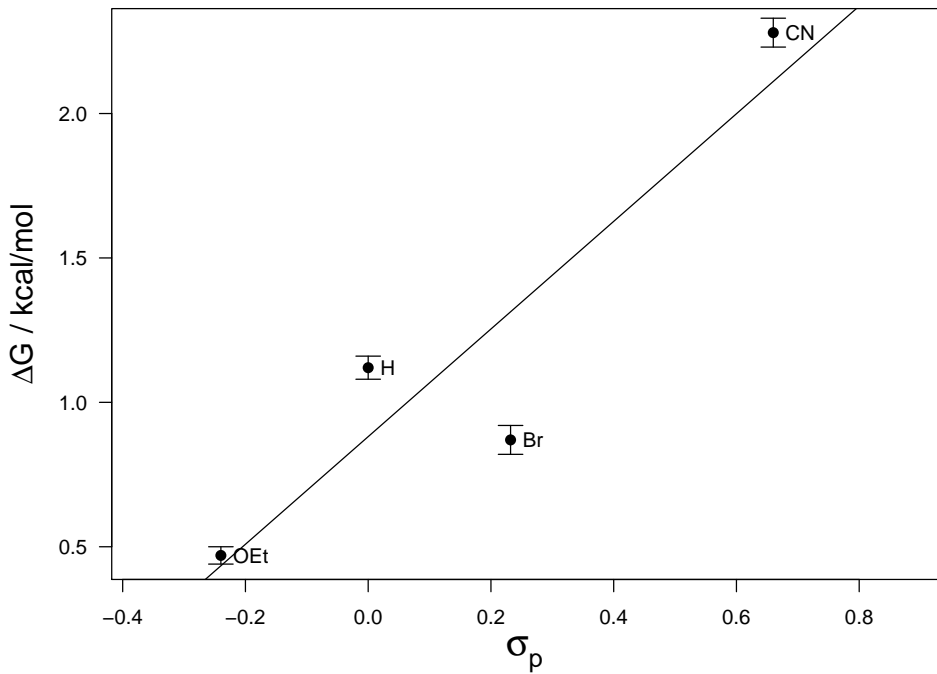


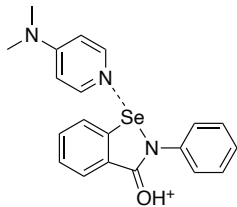






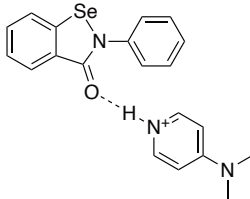




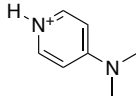


m/z: 398.08

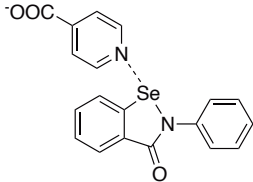
or



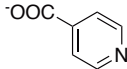
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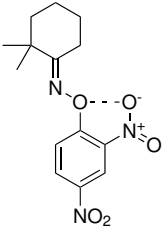
m/z: 123.09



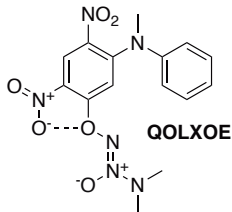
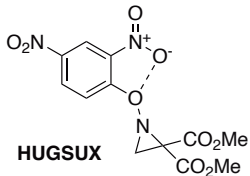
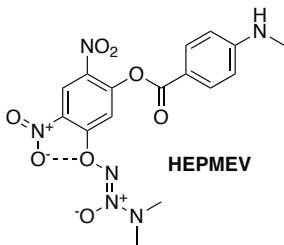
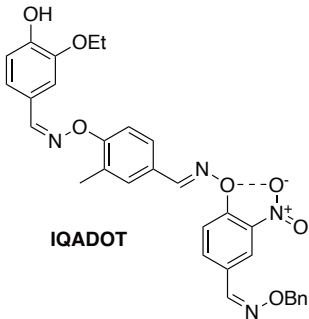
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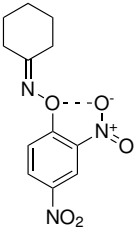


m/z: 122.02

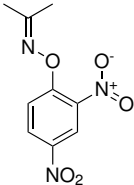


7

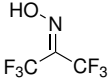
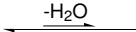
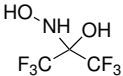


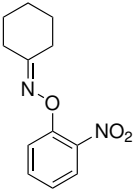


8

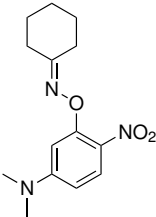


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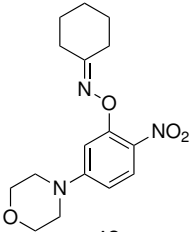




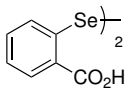
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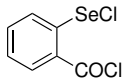
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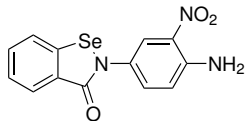
12



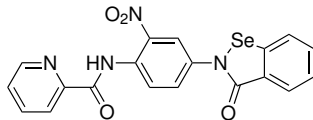
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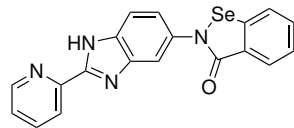
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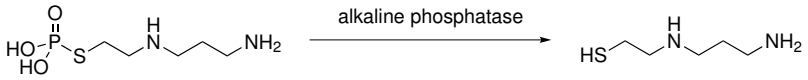
16

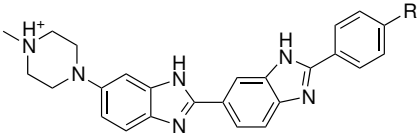


15



14

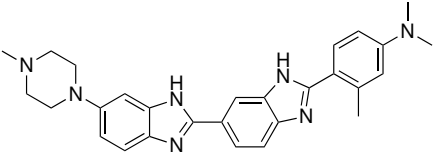


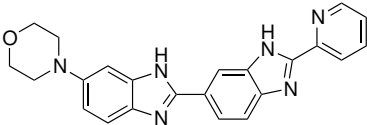


Hoechst 33258 R: OH

Hoechst 33342 R: OCH₂CH₃

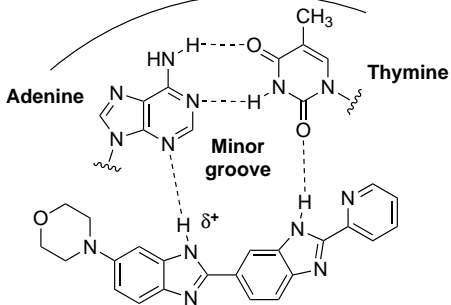
Hoechst 34580 R: N(CH₃)₂



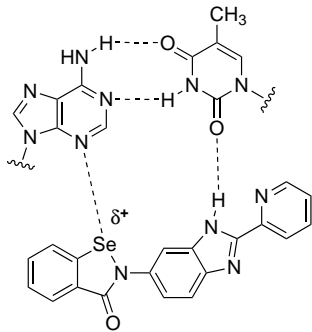


13

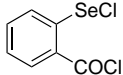
Major groove



13



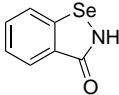
14



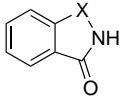
6

NH_3 (aq)

MeCN, rt, 10 min, 87%



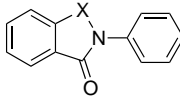
1b



1b

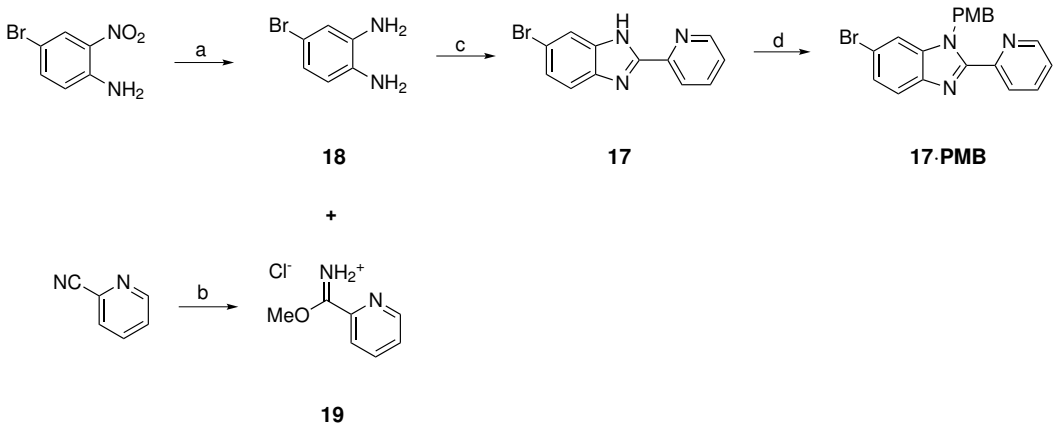
PhBr, CuI, DMEDA, K₂CO₃

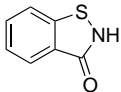
4Å sieves, 1,4-dioxane, 120°C, 18 h, 45%



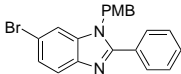
1

X = S, Se





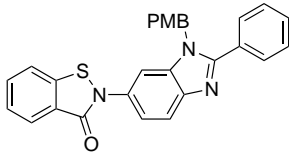
1b



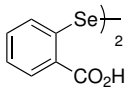
20·PMB

CuI, DMEDA, K₂CO₃

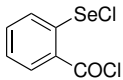
4 Å sieves, 1,4-dioxane, 120°C, 24 h, 48%



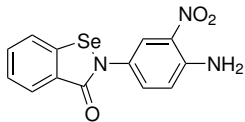
21·PMB



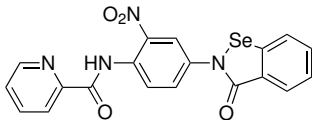
5



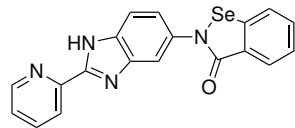
6



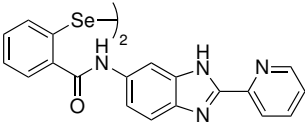
16



15



14



22

