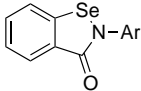
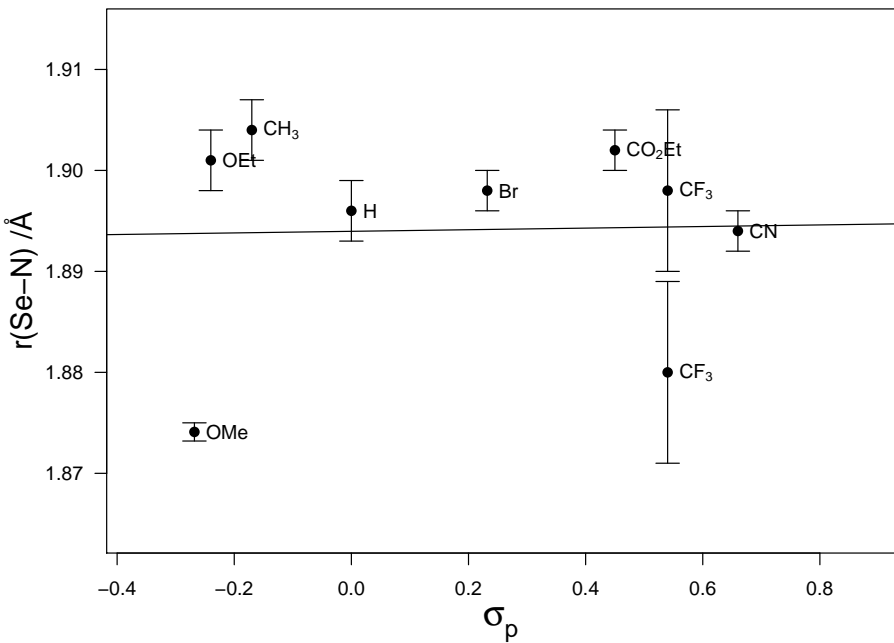
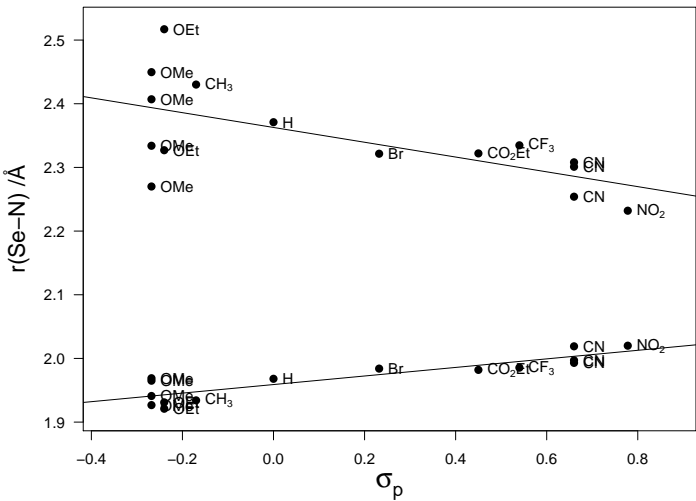


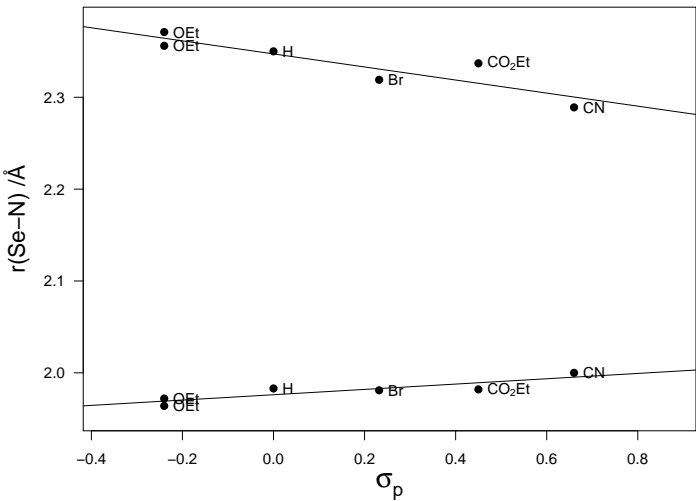
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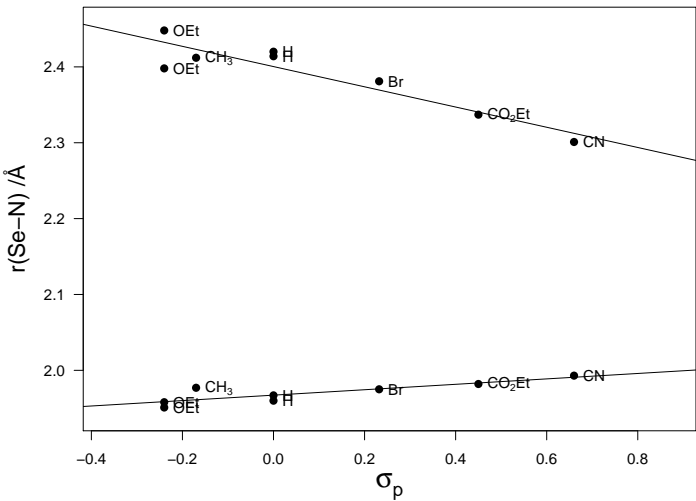


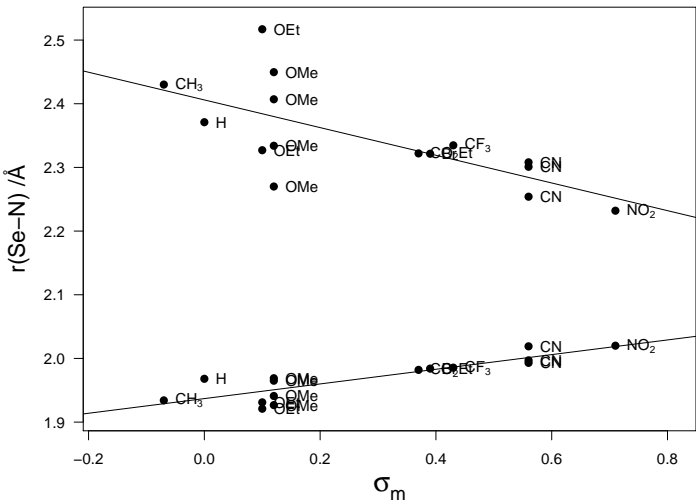
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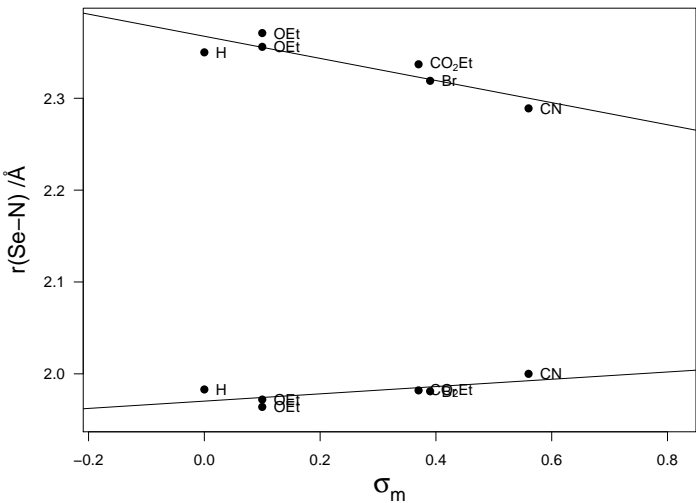


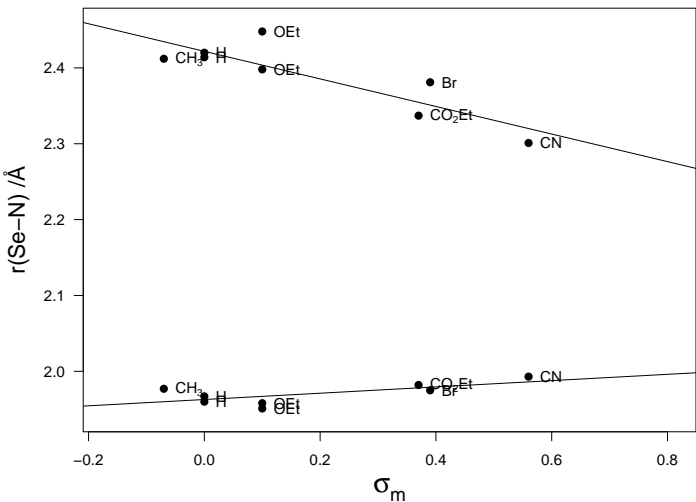


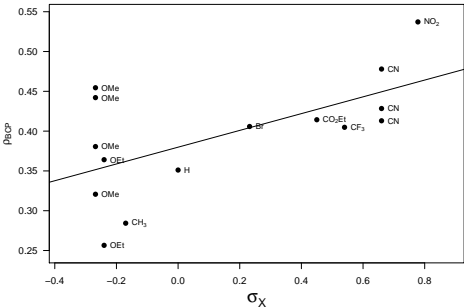


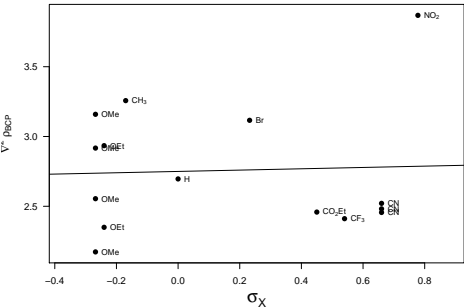


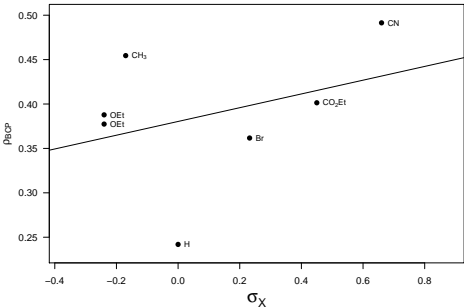


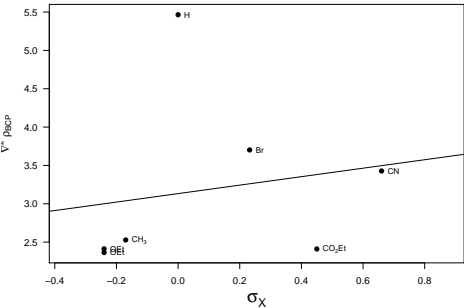


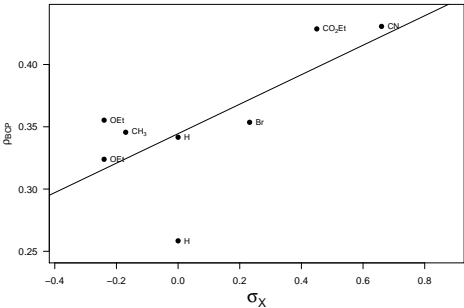


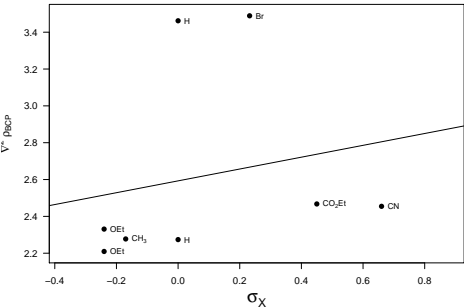


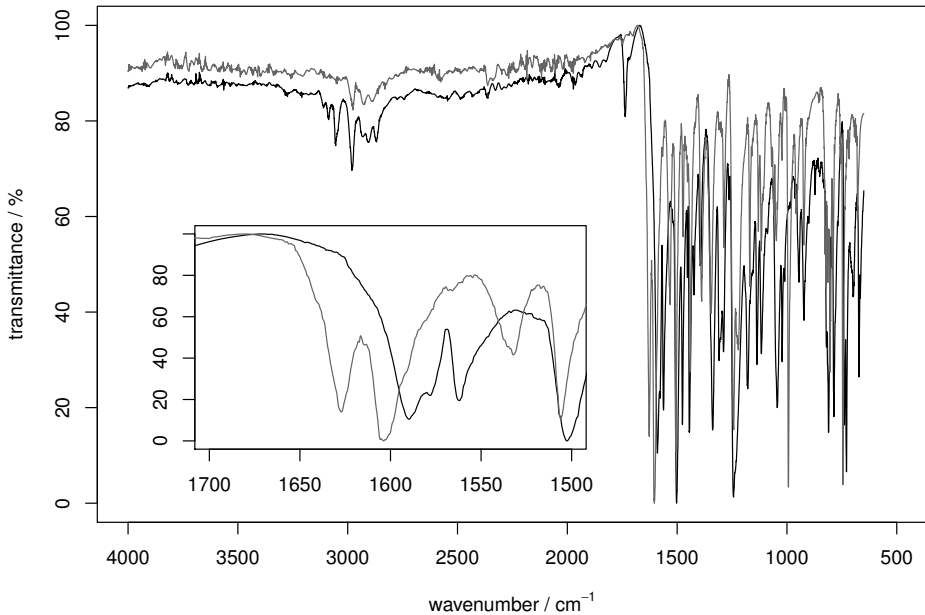


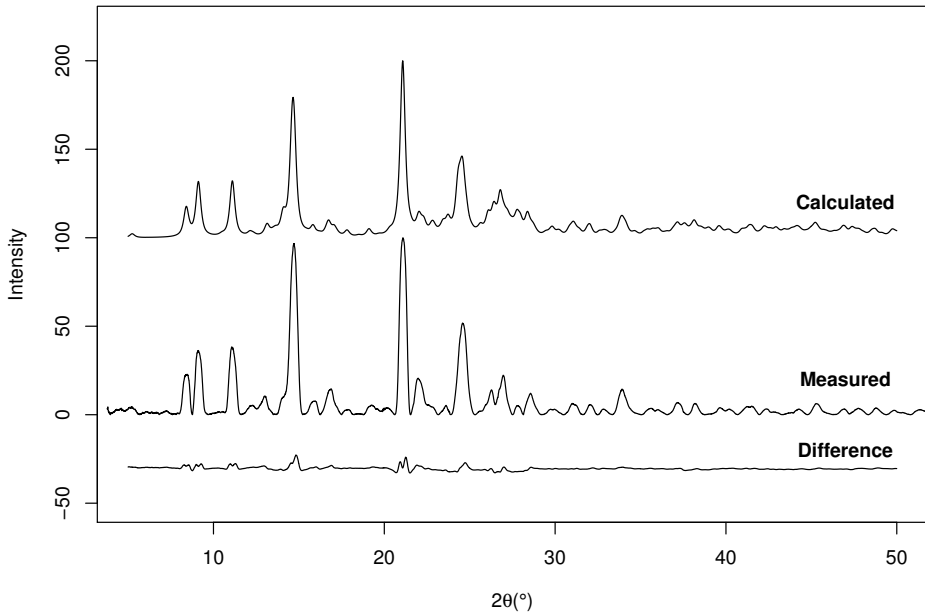


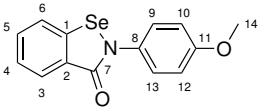
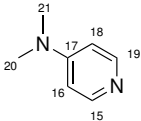


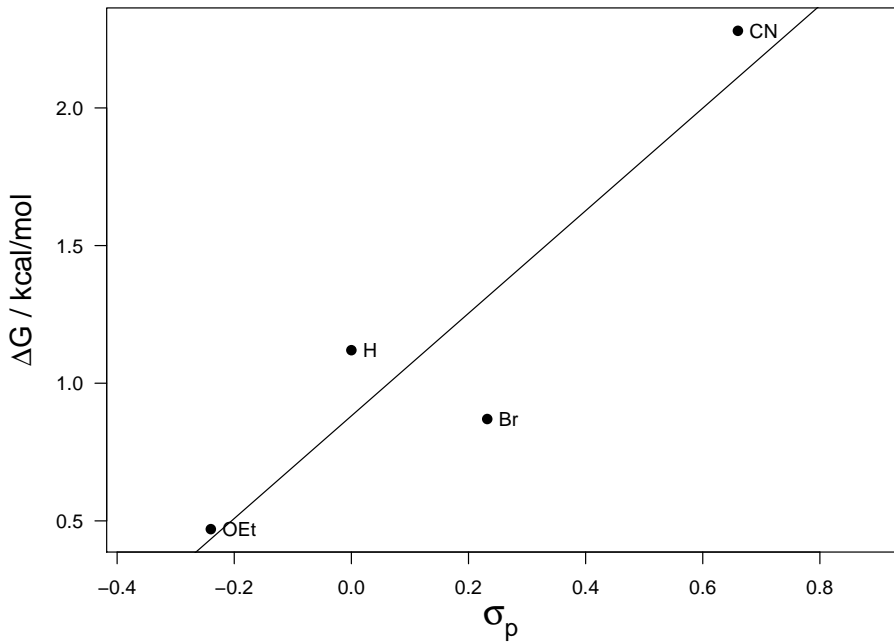


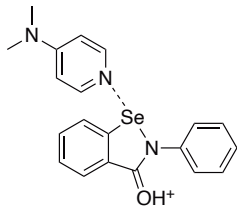






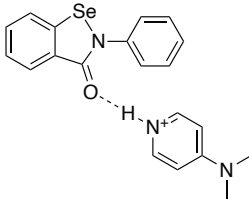




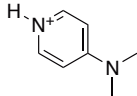


m/z: 398.08

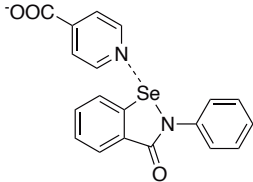
or



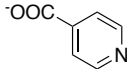
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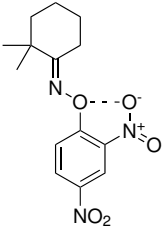
m/z: 123.09



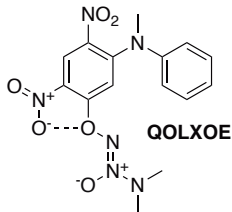
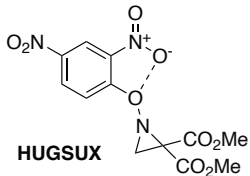
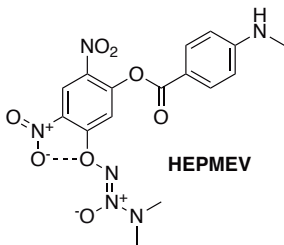
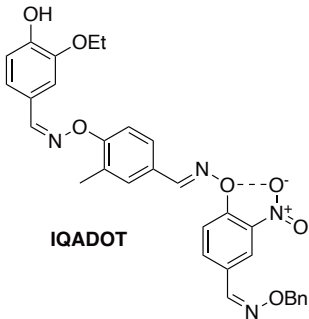
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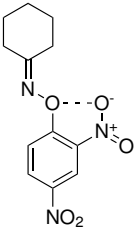


m/z: 122.02

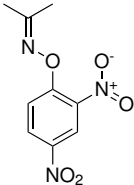


7

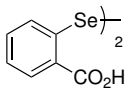




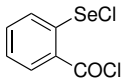
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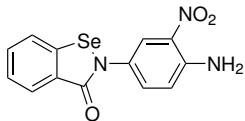
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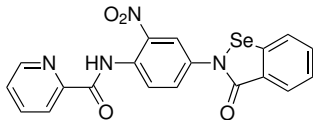
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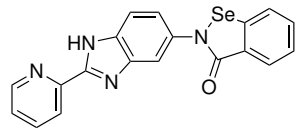
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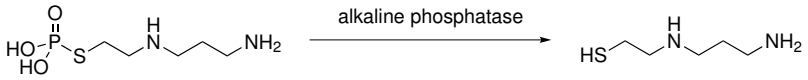
14

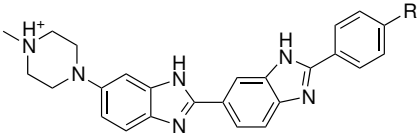


13



11

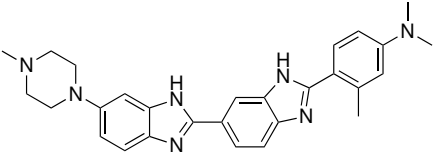


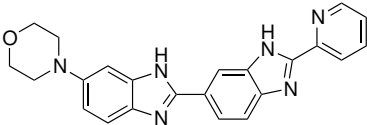


Hoechst 33258 R: OH

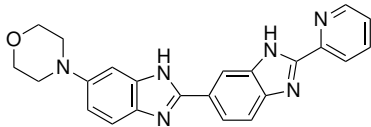
Hoechst 33342 R: OCH_2CH_3

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

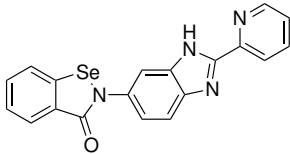




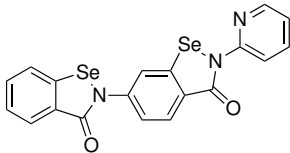
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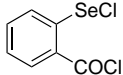
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11



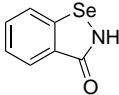
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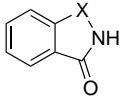
6

NH_3 (aq)

MeCN, rt, 10 min, 87%



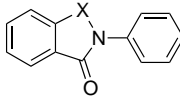
1b



1b

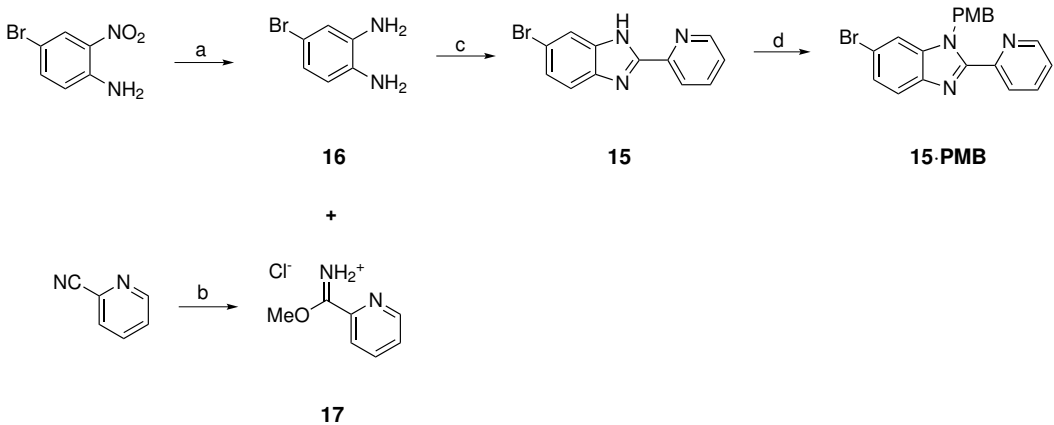
PhBr, CuI, DMEDA, K₂CO₃

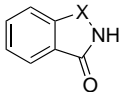
4Å sieves, 1,4-dioxane, 120°C, 18 h, 45%



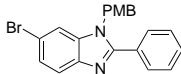
1

X = S, Se





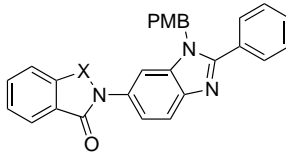
1b



18-PMB

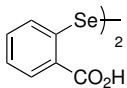
CuI, DMEDA, K₂CO₃

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

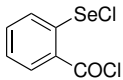


19-PMB

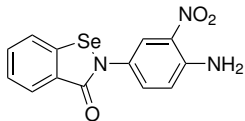
X = S, Se



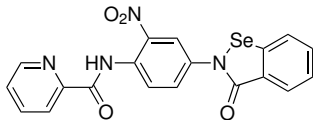
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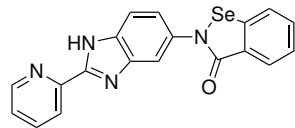
6



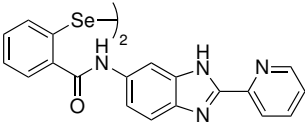
14



13



11



20

