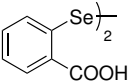


1. NaNO_2 , HCl

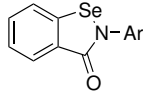
2. Na_2Se_2 , NaOH



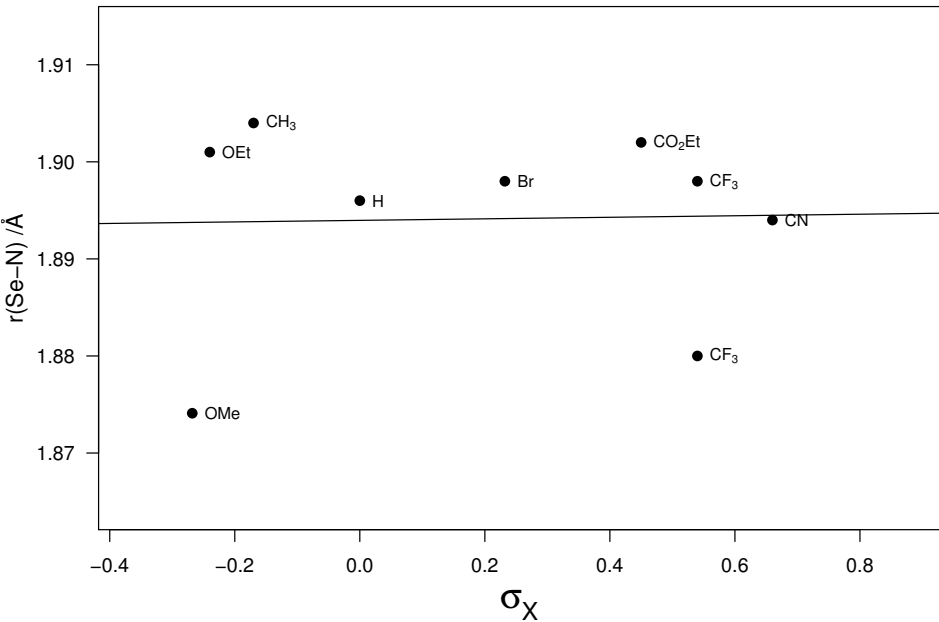
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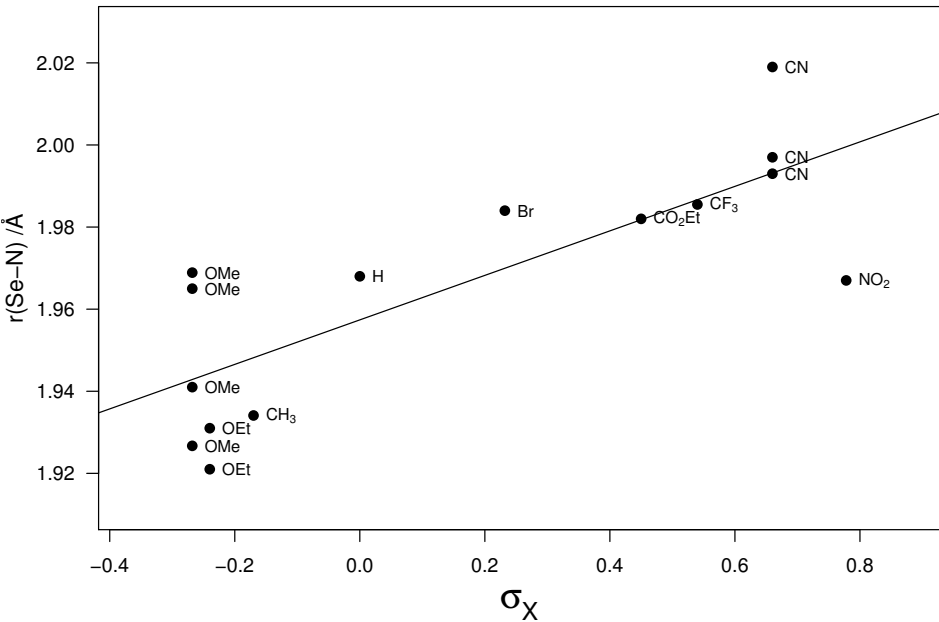
1. SOCl_2 , cat. DMF

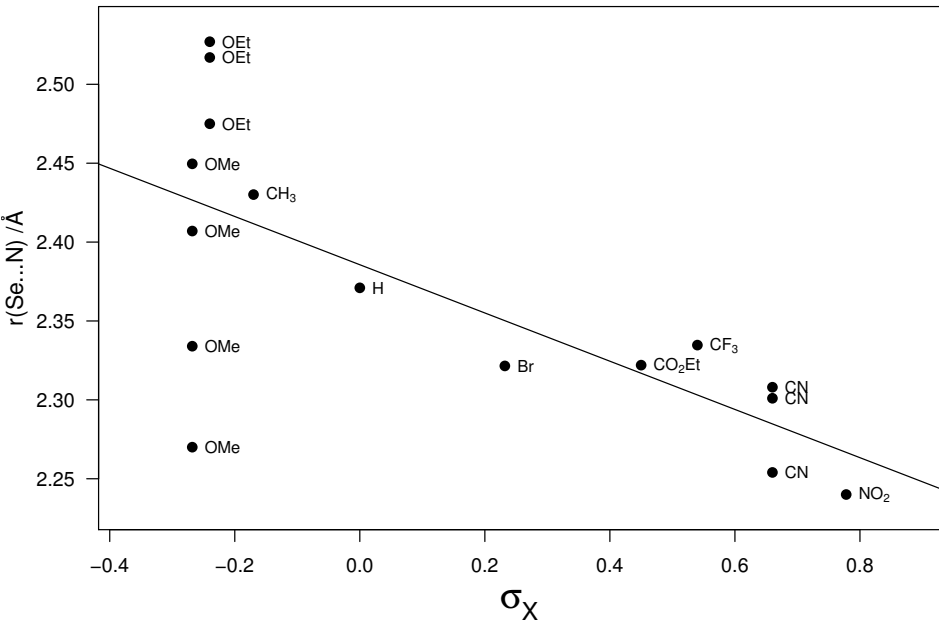
2. Ar-NH_2 , TEA

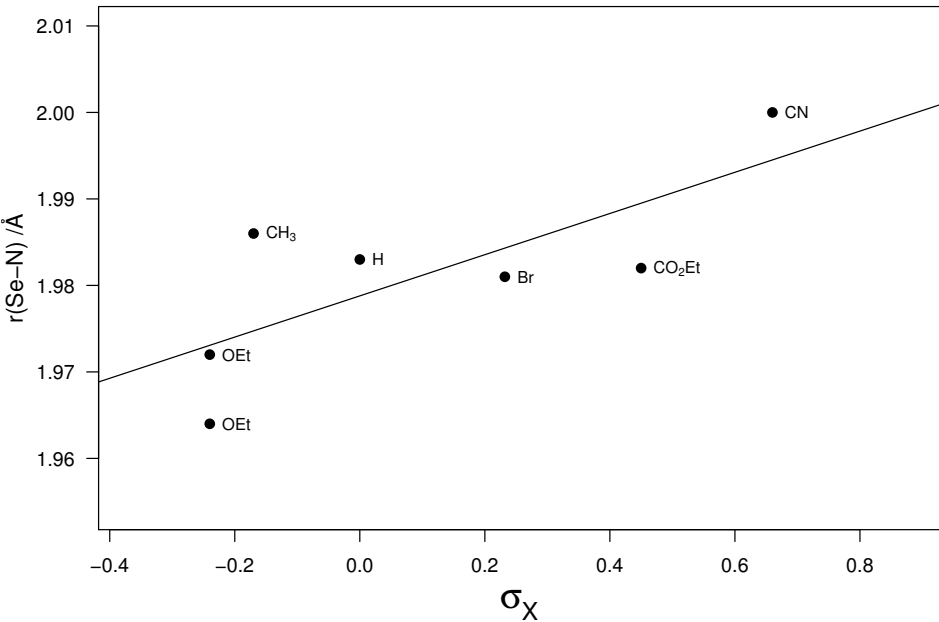


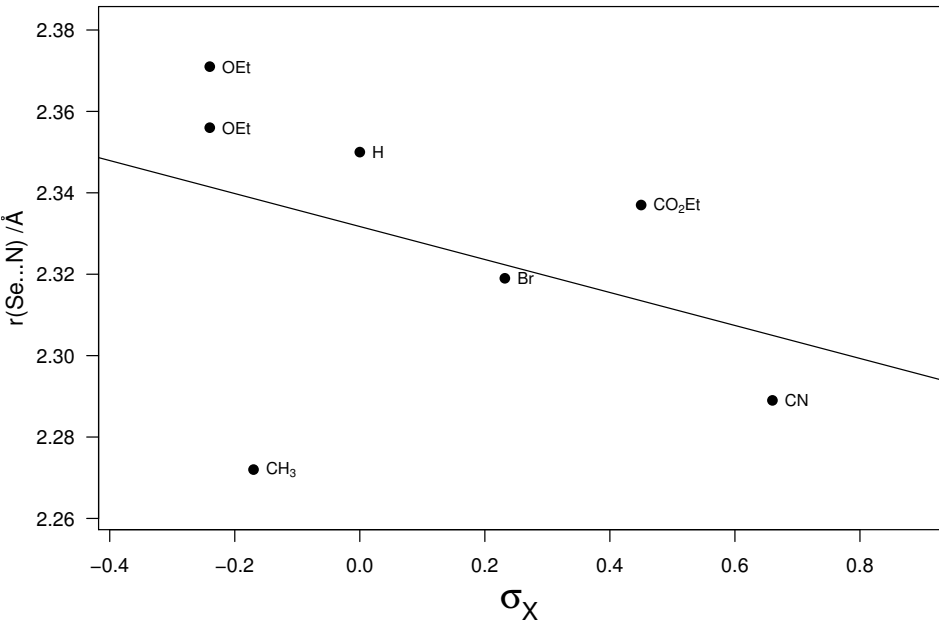
1 and 1NO₂, CN, CF₃, Br, CO₂Et

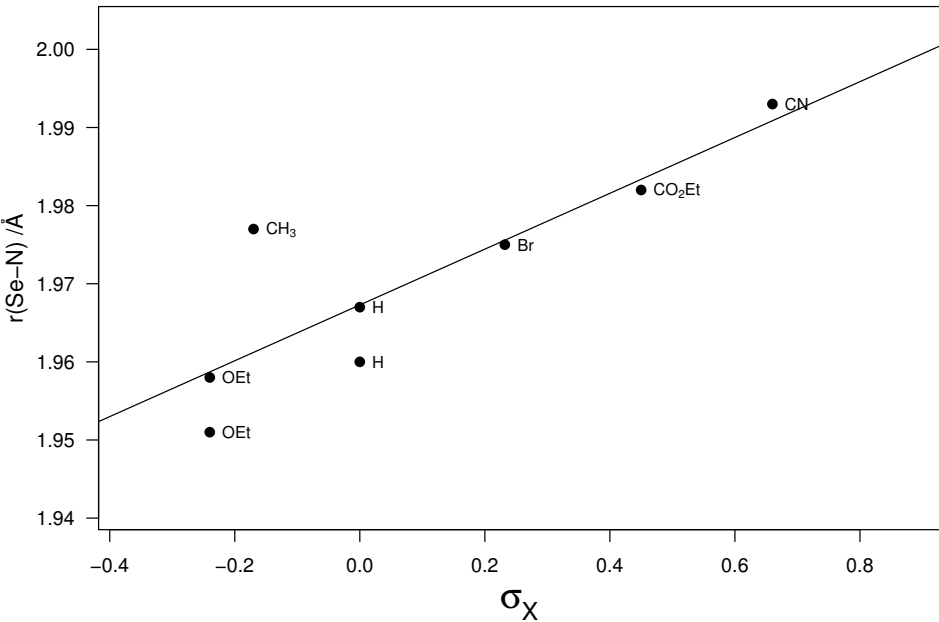


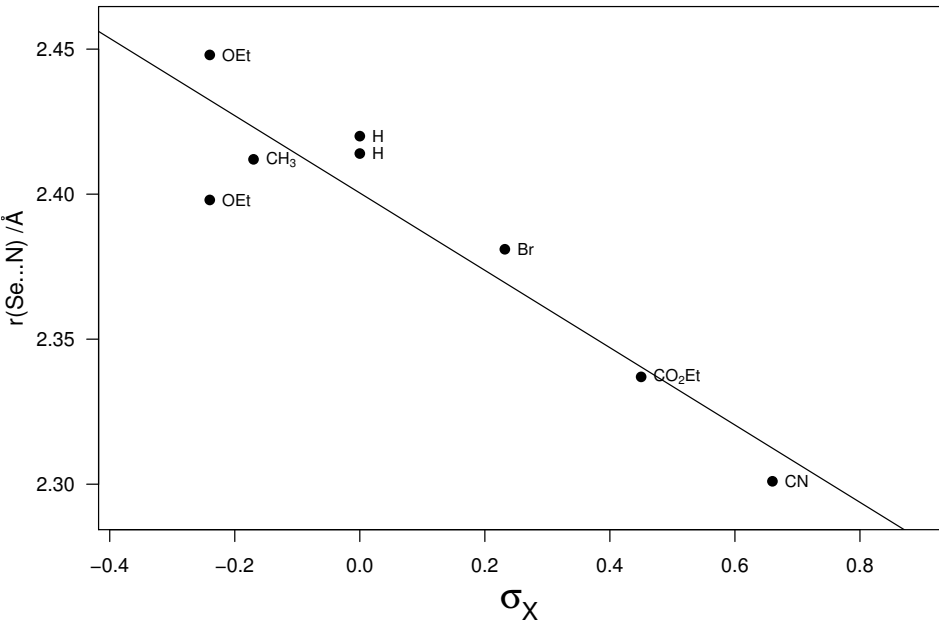


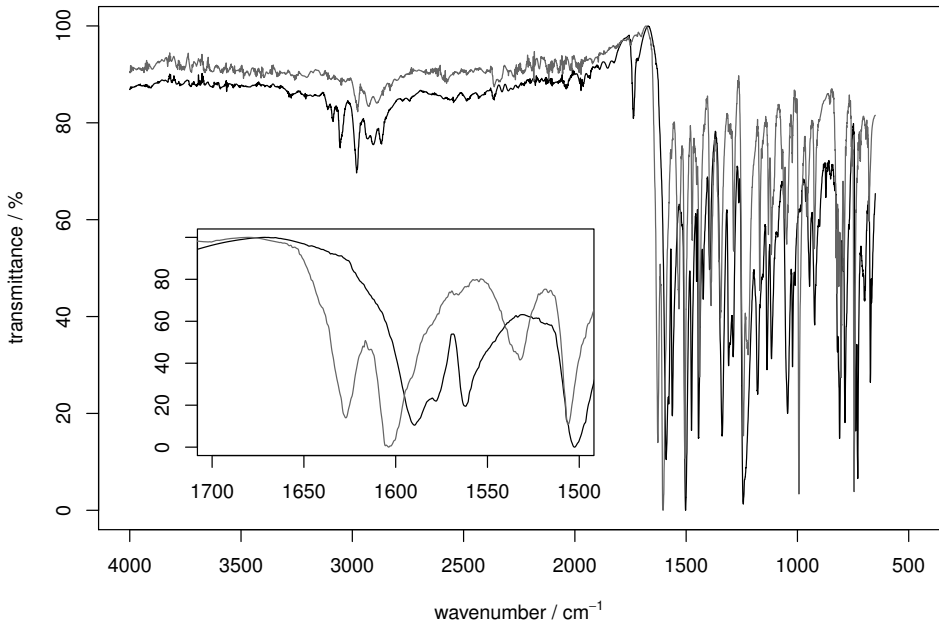


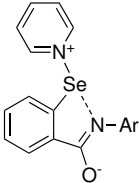
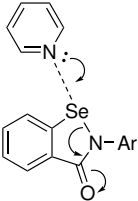


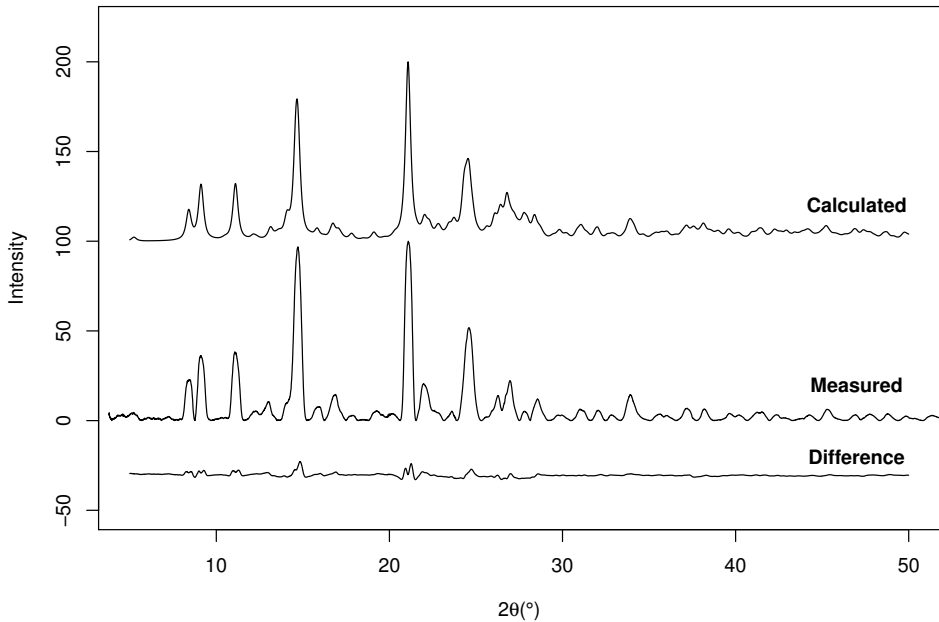


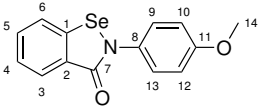
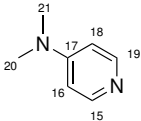


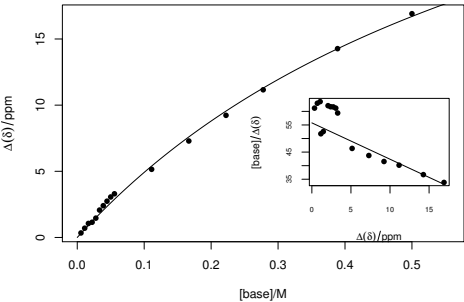


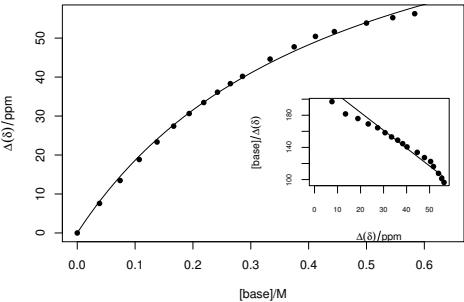


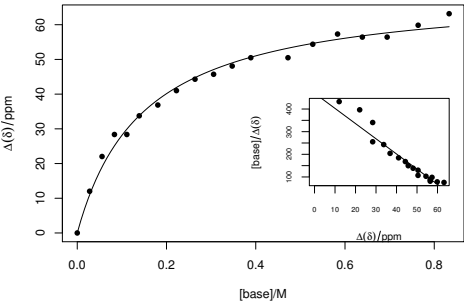


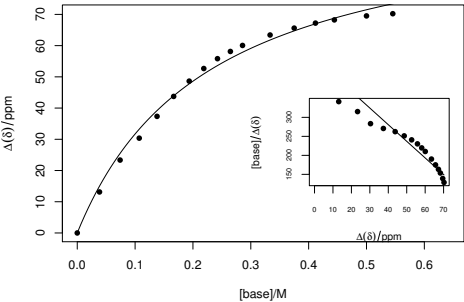


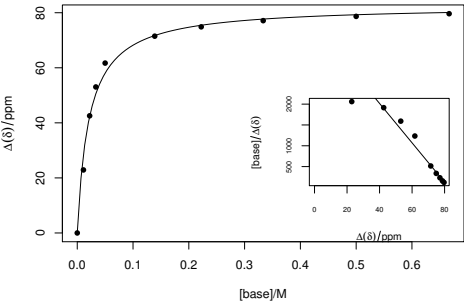


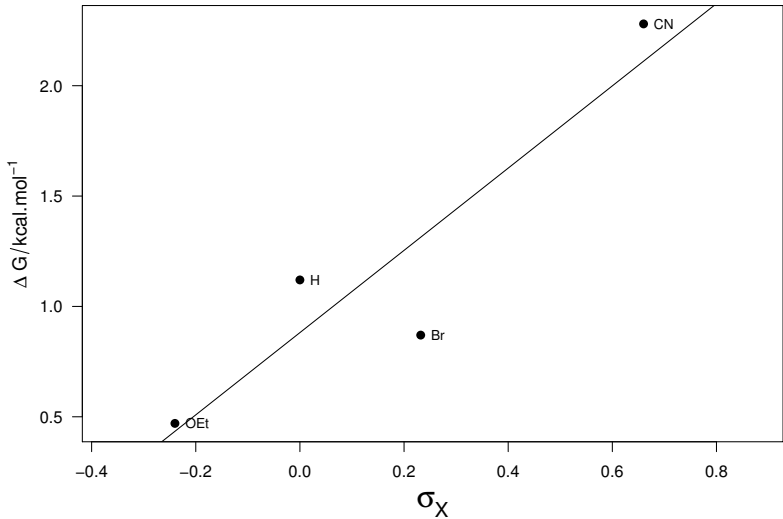


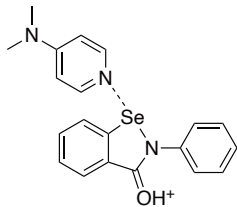






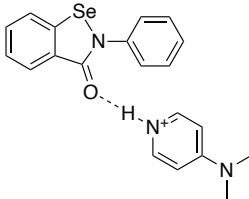




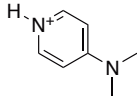


m/z : 398.08

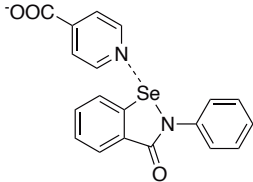
or



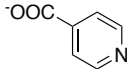
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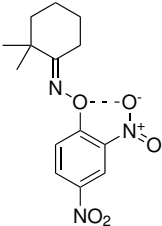
m/z : 123.09



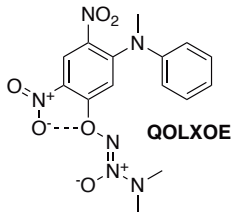
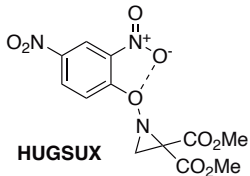
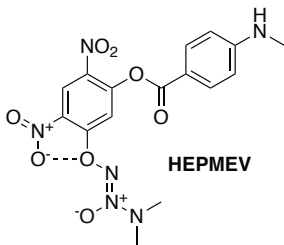
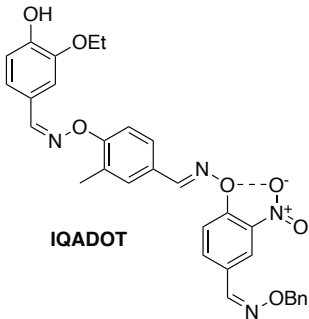
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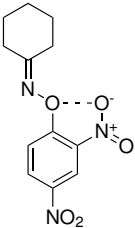


m/z: 122.02

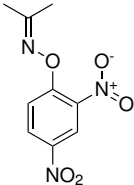


7

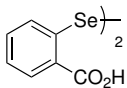




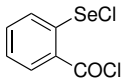
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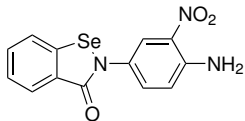
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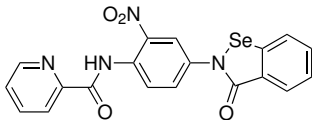
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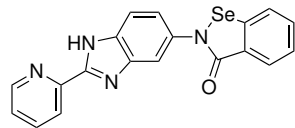
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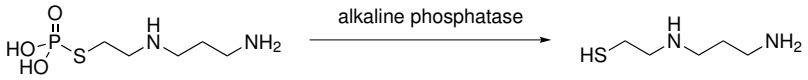
14

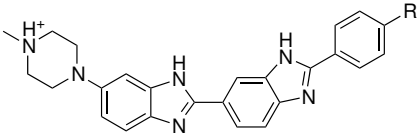


13



11

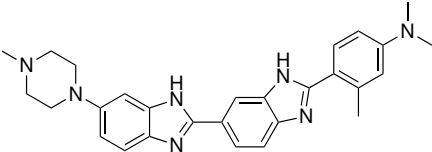


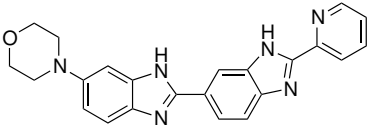


Hoechst 33258 R: OH

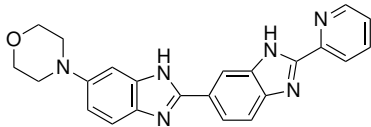
Hoechst 33342 R: OCH_2CH_3

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

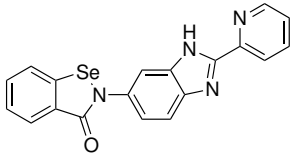




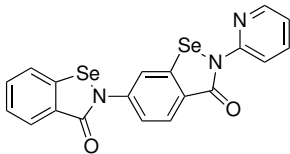
10



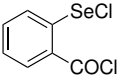
10



11

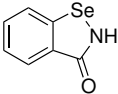


12

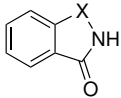


6

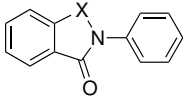
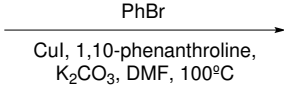
NH_3 (aq)



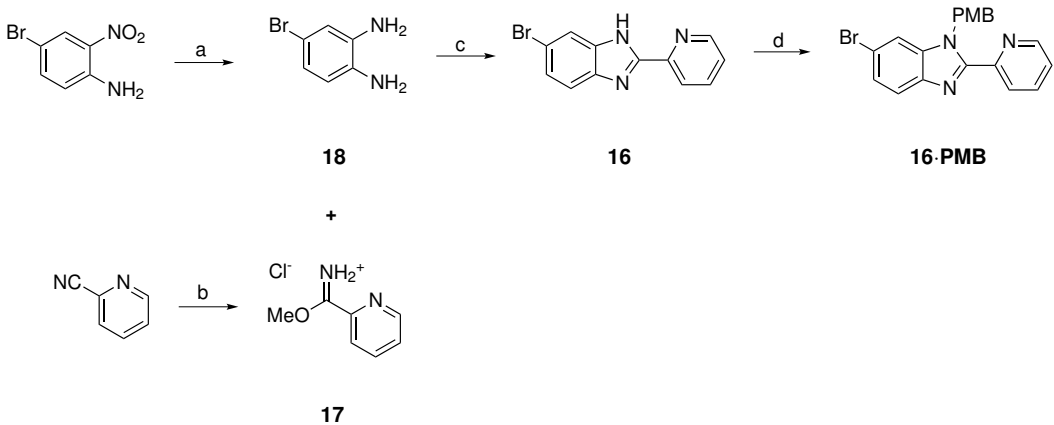
1c

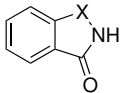


1c and 15a

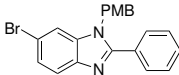


1 and 15b



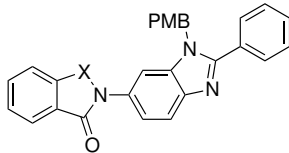


1c and **15a**

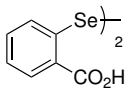


19-PMB

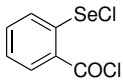
CuI, 1,10-phenanthroline,
K₂CO₃, DMF, 100°C



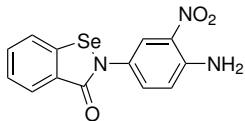
11-PMB and **20-PMB**



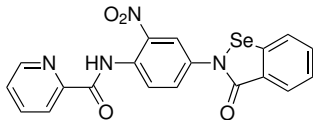
5



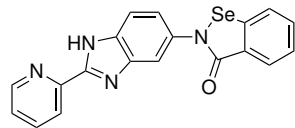
6



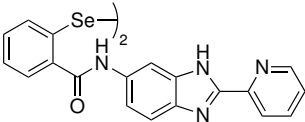
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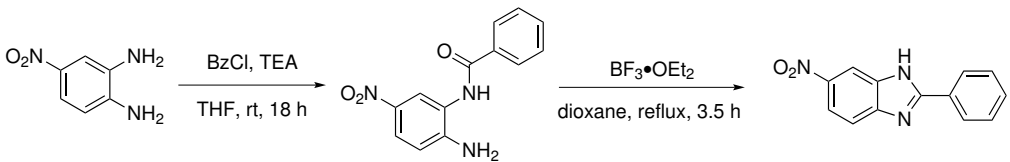
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11

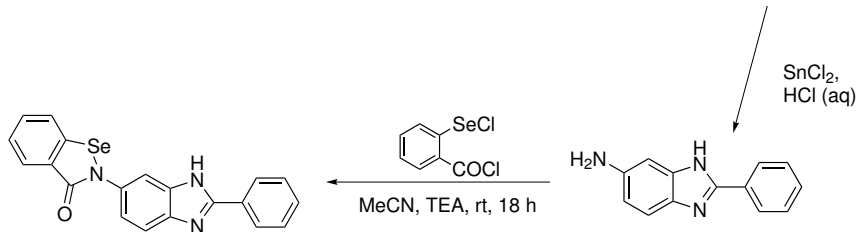


21



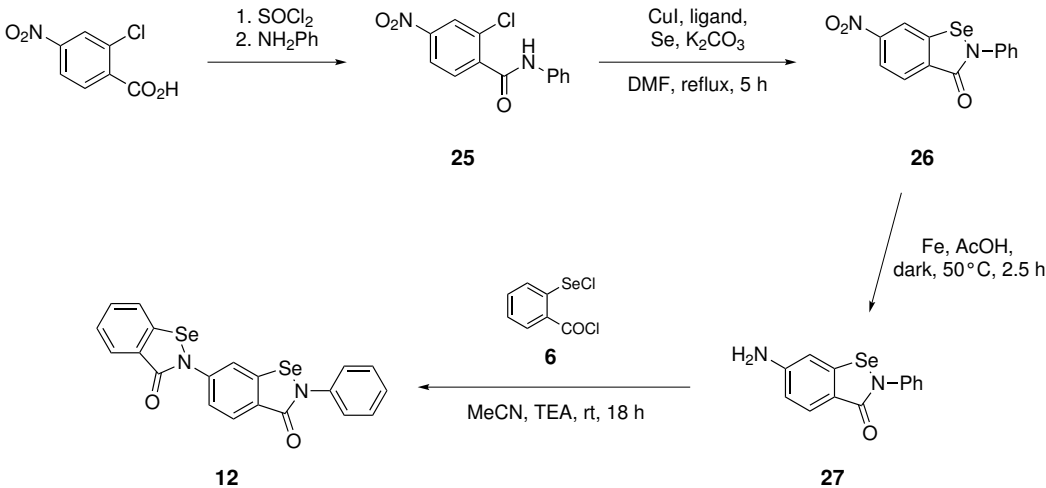
22

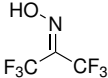
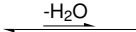
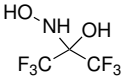
23

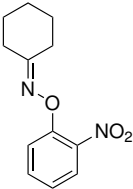


11

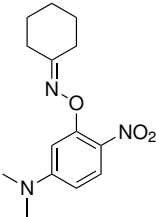
24



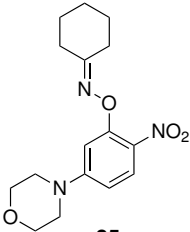




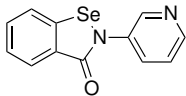
33



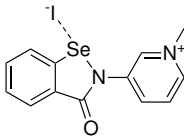
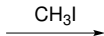
34



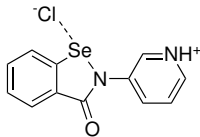
35



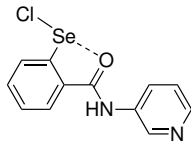
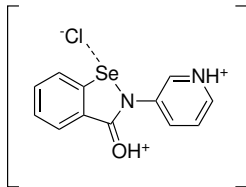
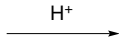
1d



1e



1f



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