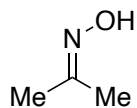


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1.

Provide the pKa values of these acids. You may round off the values to the nearest whole number.

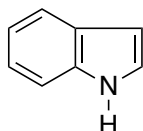
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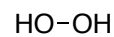
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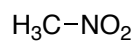
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4)



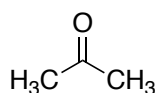
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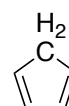
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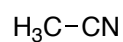
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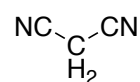
8)



9)



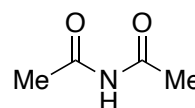
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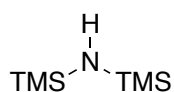
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12)



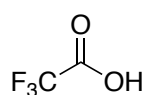
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14)



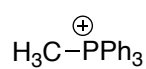
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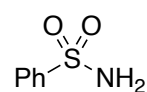
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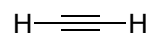
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19)

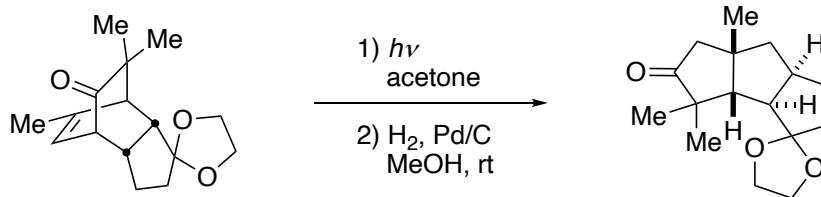


20)



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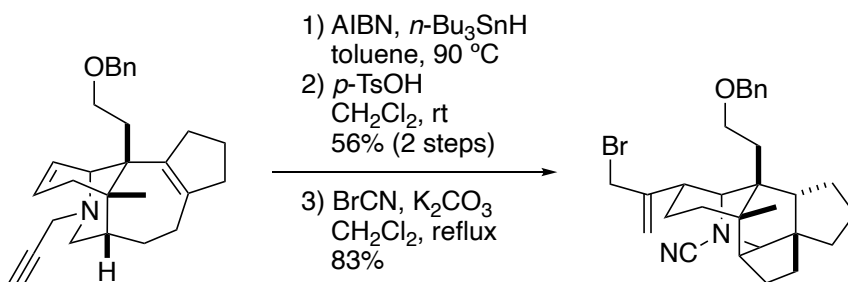
2.



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M. Porinchu *et al.*, *J. Org. Chem.*, **63**, 4011 (1998)

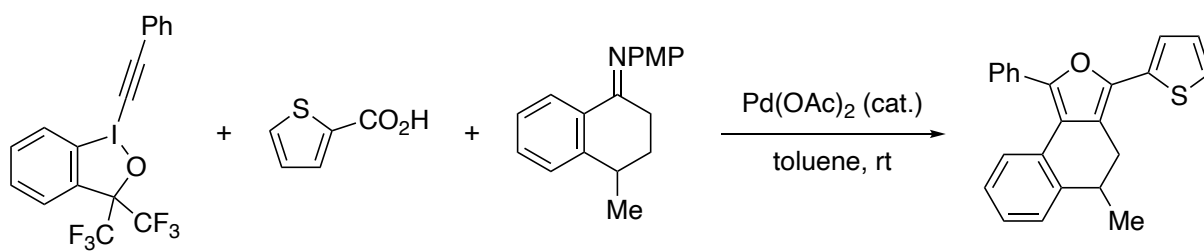
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3.

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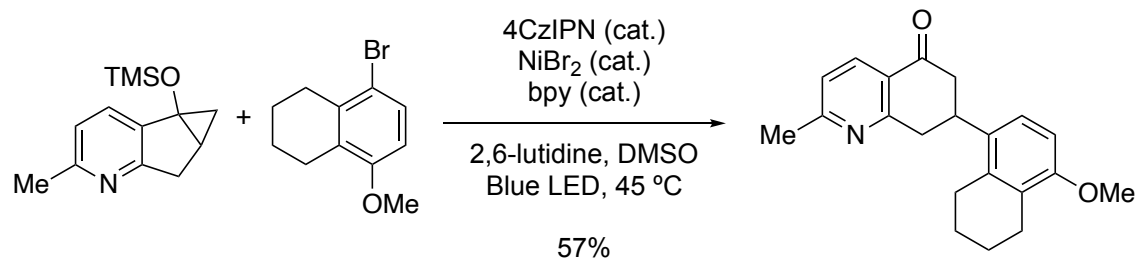
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4.

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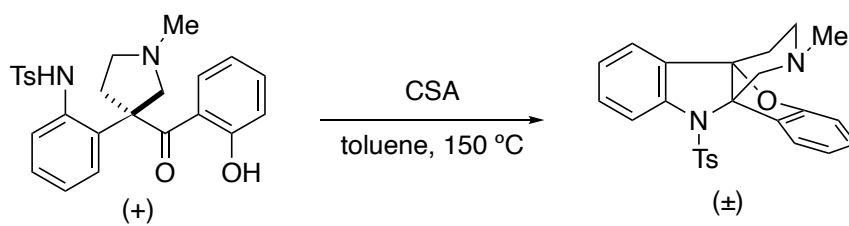
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5.

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6.

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