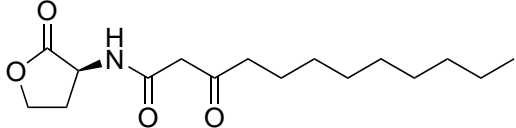


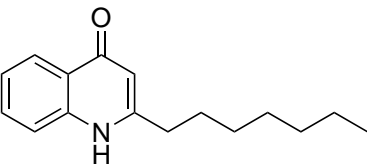
C₄-HSL

2



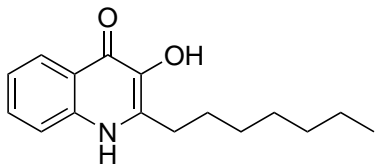
3-oxo-C₁₂-HSL

3



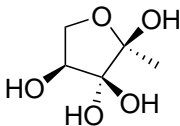
HHQ

4



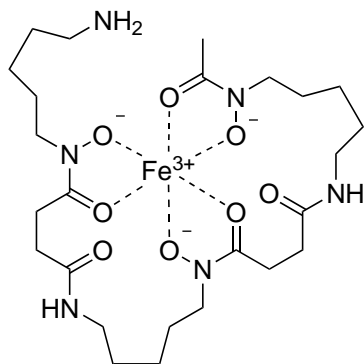
PQS

5

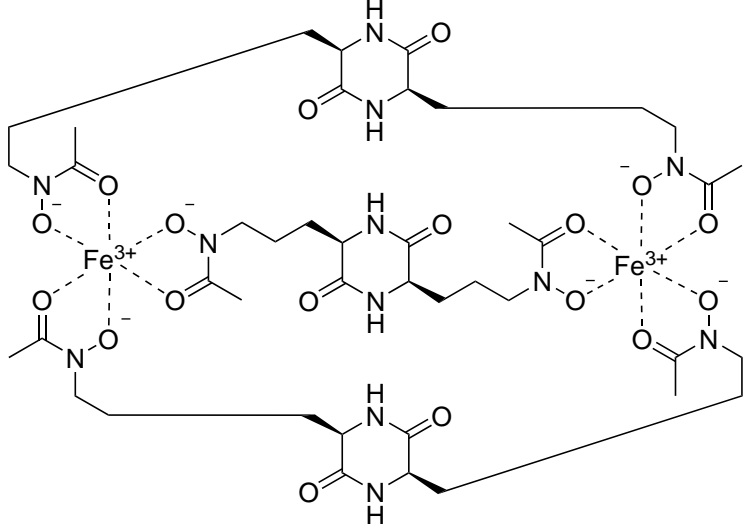


Al-2

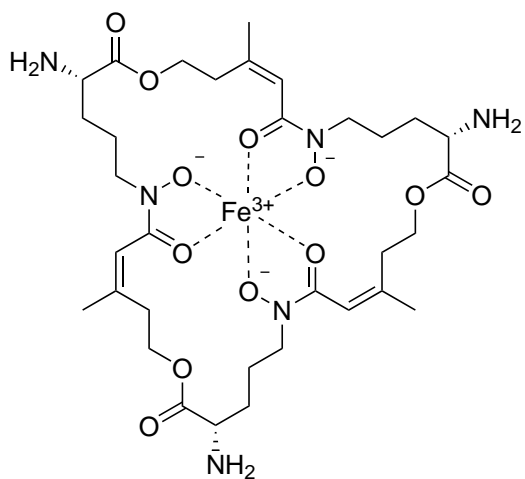
6



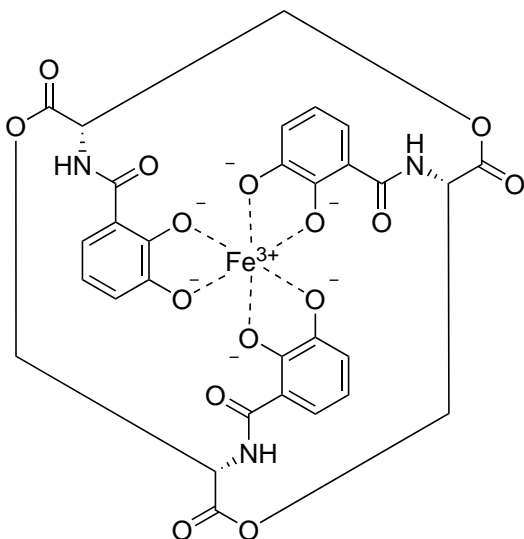
Deferoxamine B
7



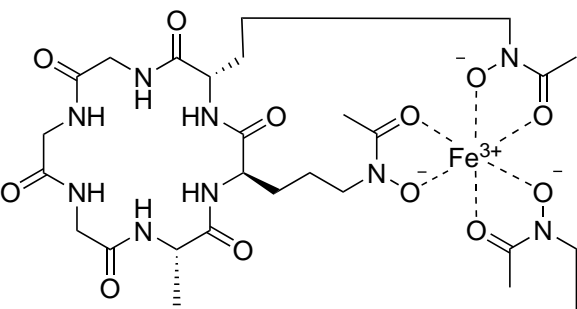
Rhodotorulic acid
8



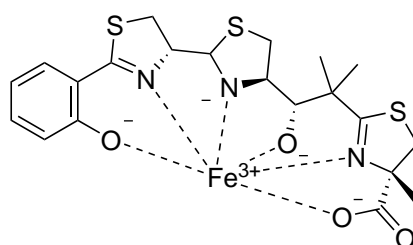
Fusarinine C
9



Enterobactin
10



Ferrichrome
11



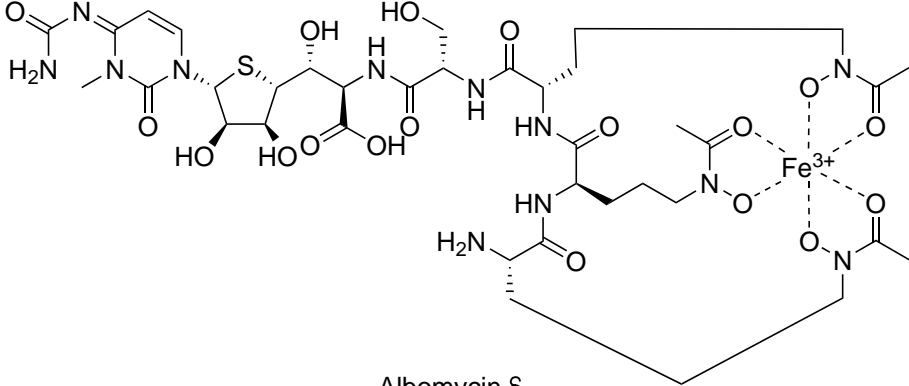
Yersiniabactin
12



13

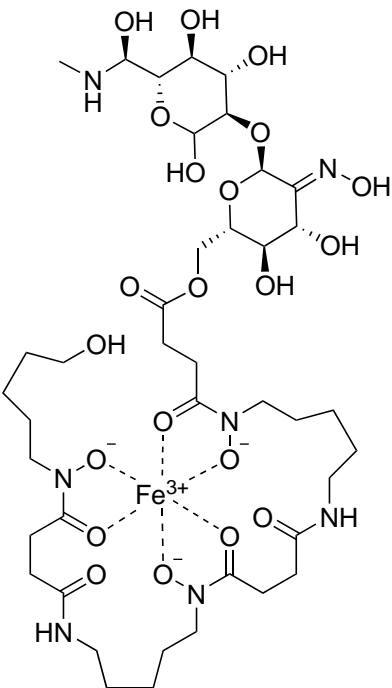


14



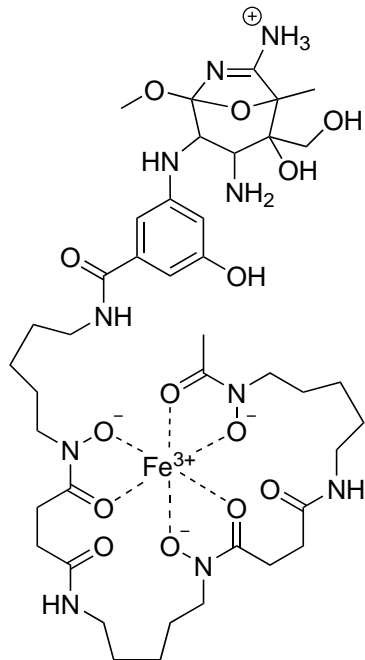
Albomycin δ_2

15



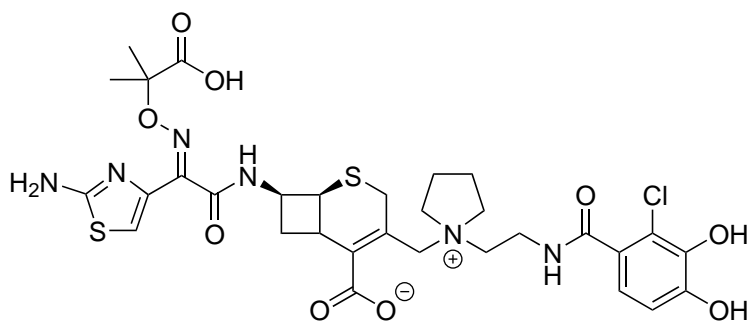
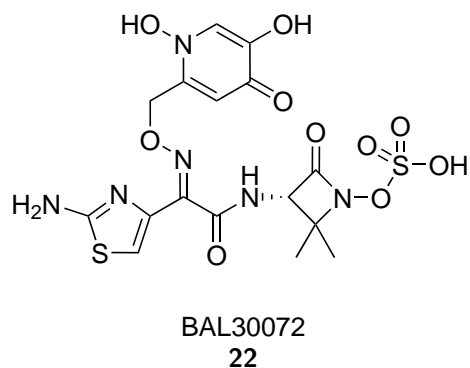
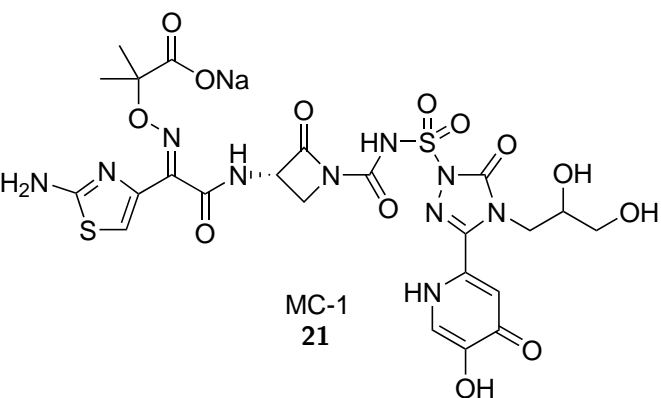
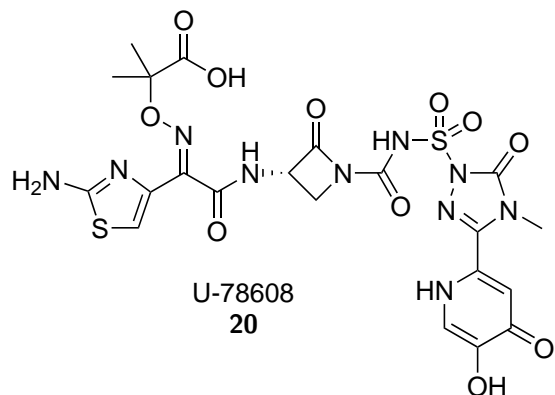
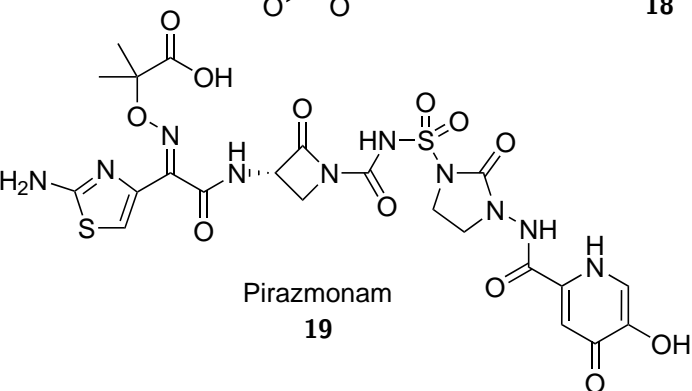
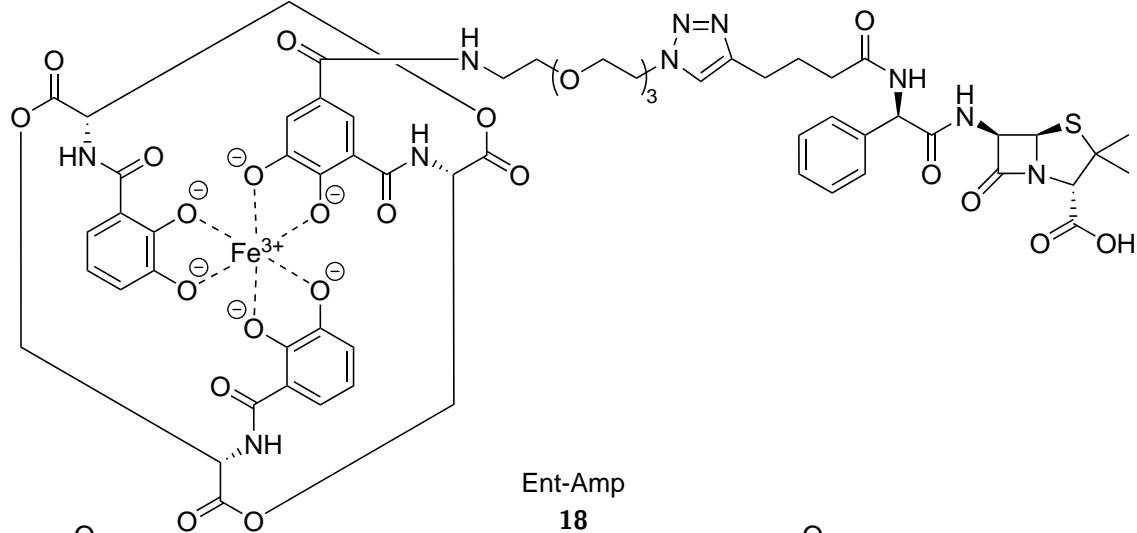
Salmycin A

16

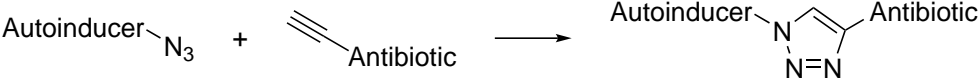


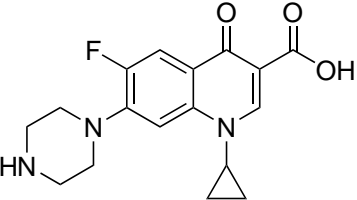
Ferrimycin A1

17



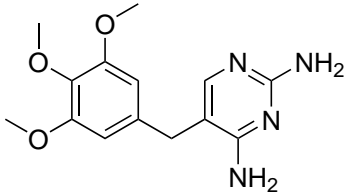
Cefiderocol
23





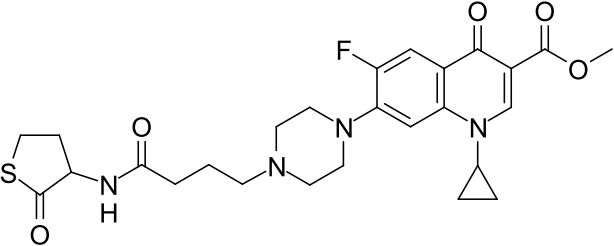
Ciprofloxacin

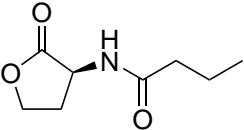
24



Trimethoprim

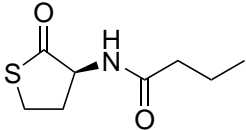
25





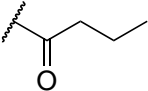
C₄-HSL

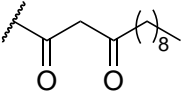
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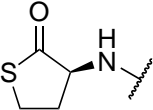


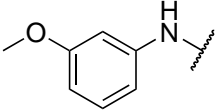
C₄-HCTL

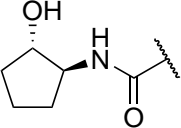
26

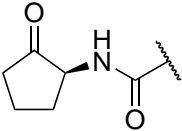


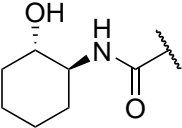


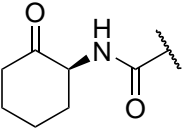


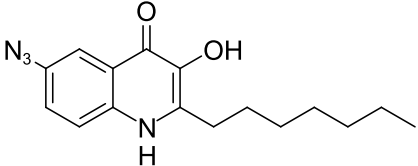
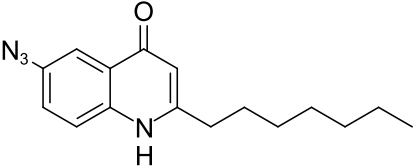


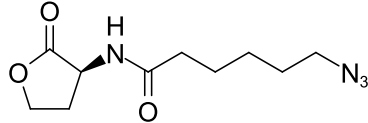
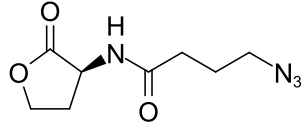
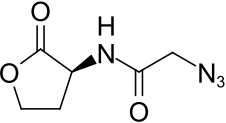


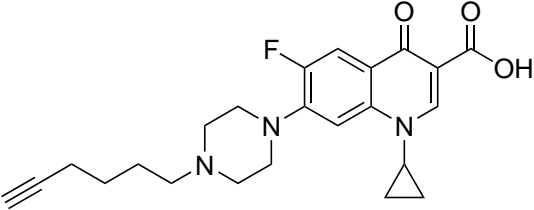




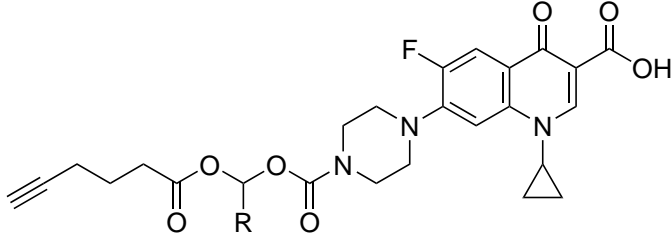






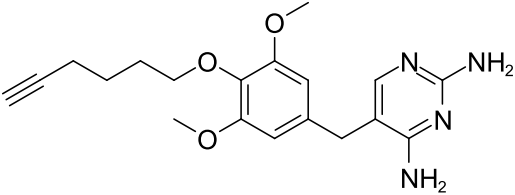


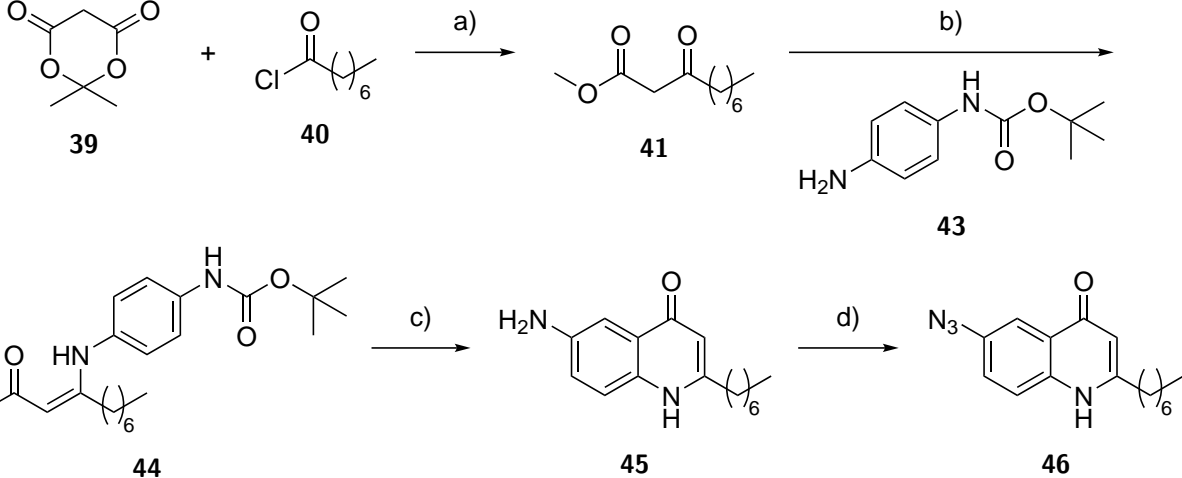
76

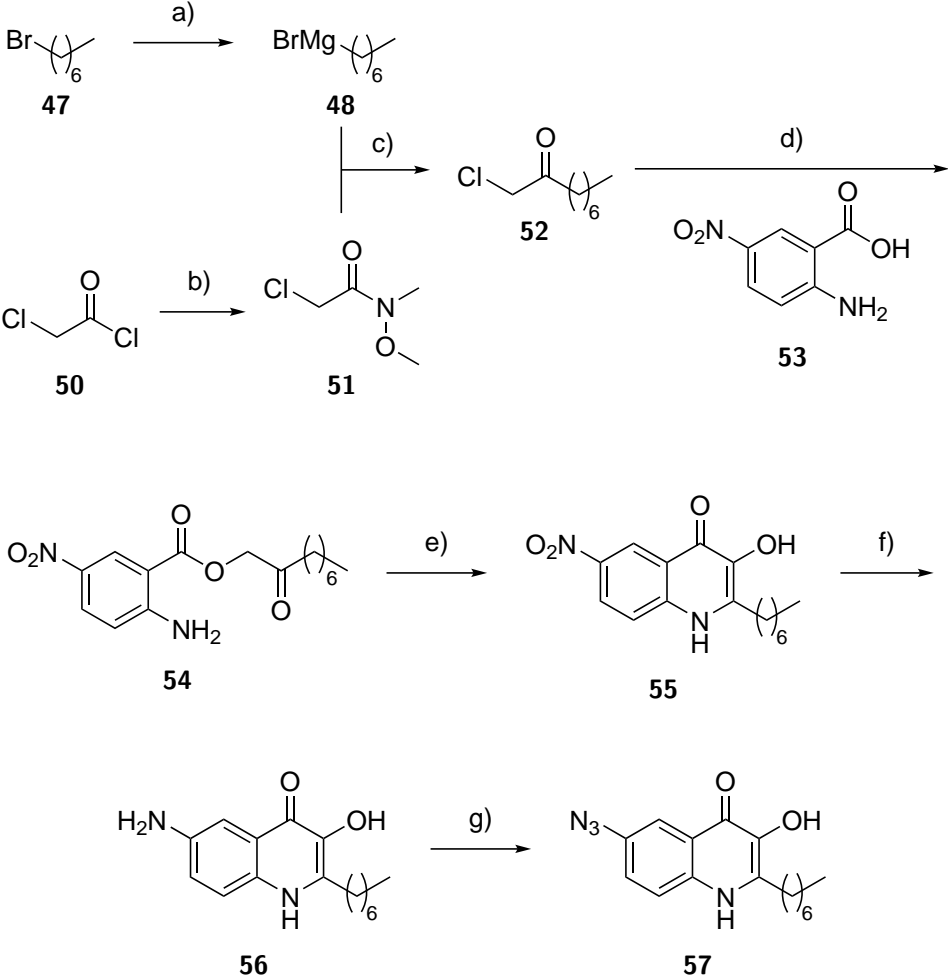


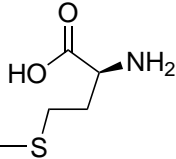
R = H 98

R = Me 99



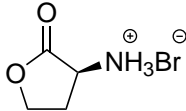






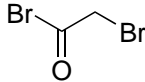
58

a)

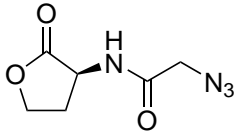


60

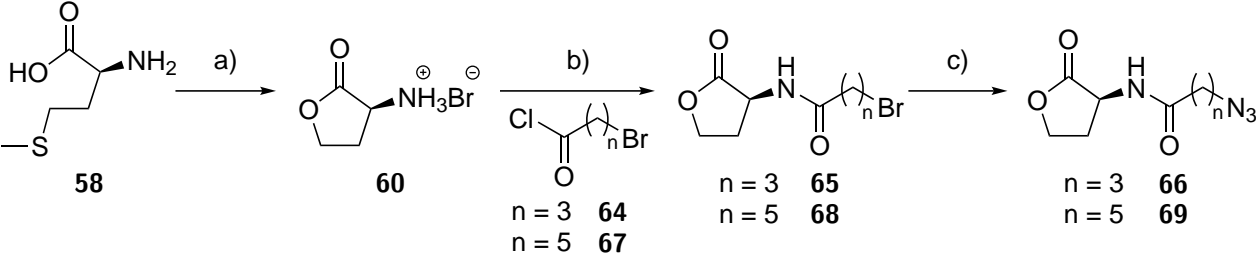
b)

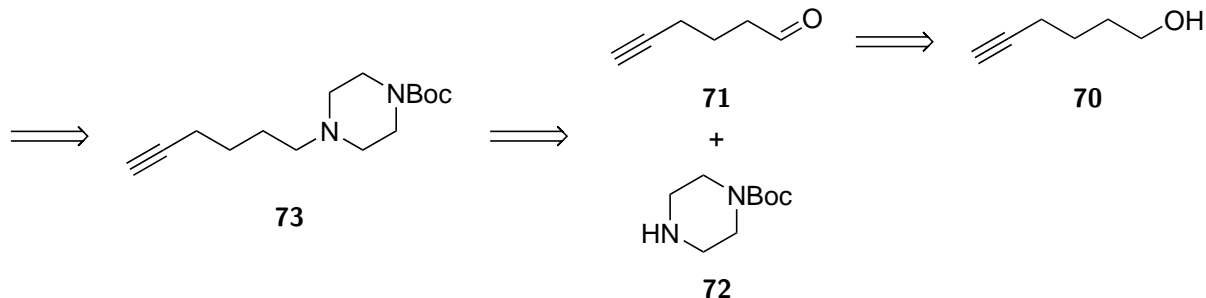
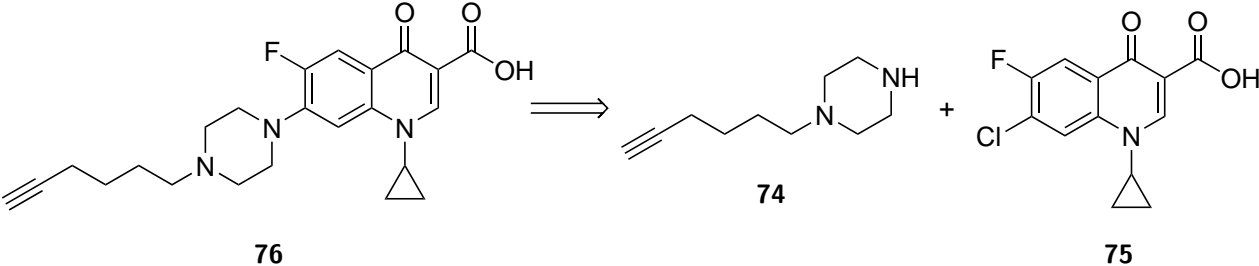


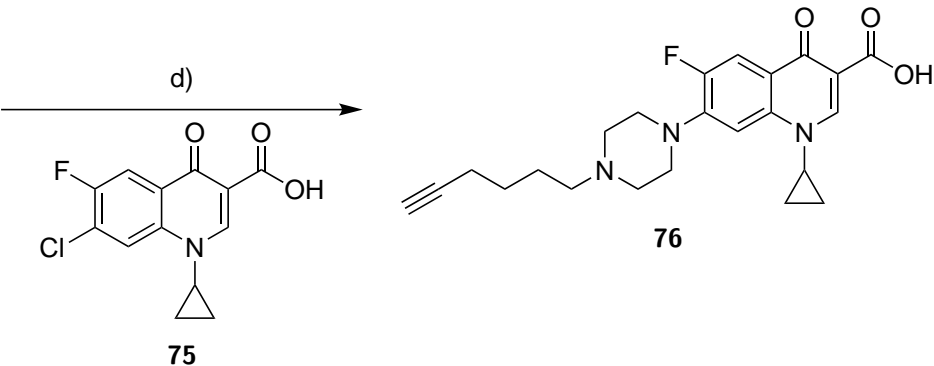
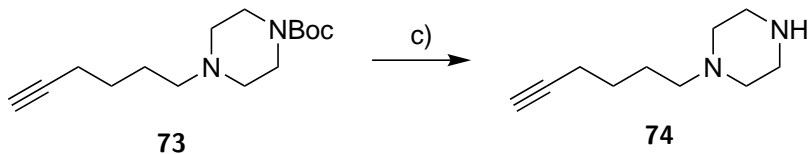
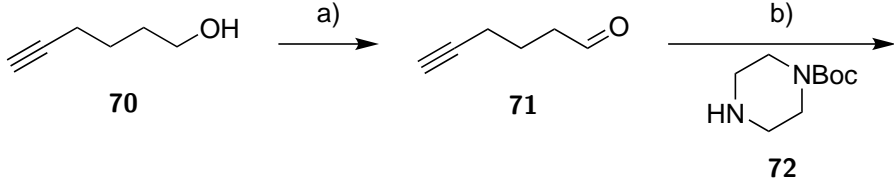
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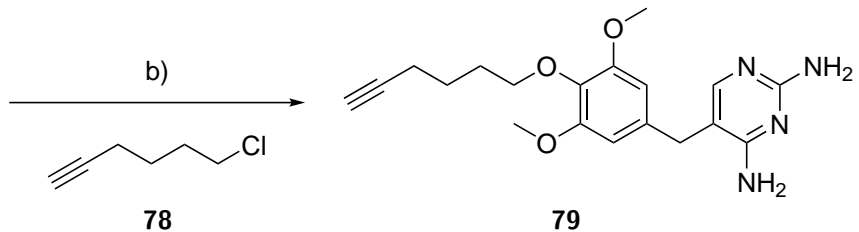
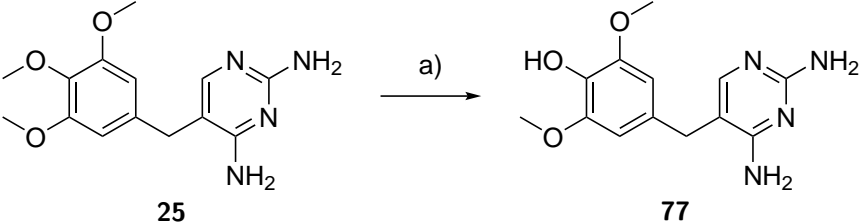


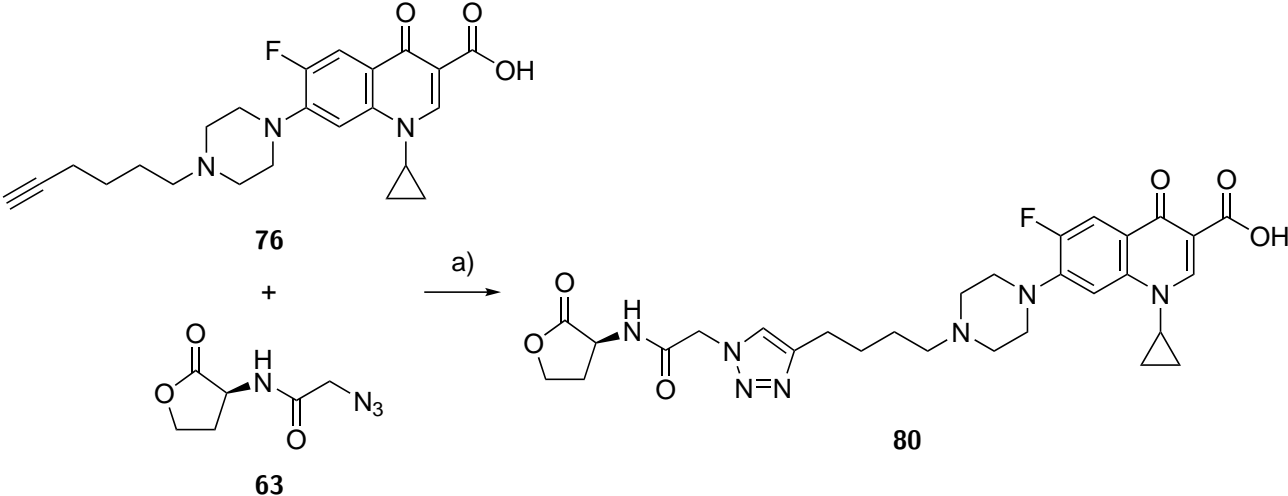
63

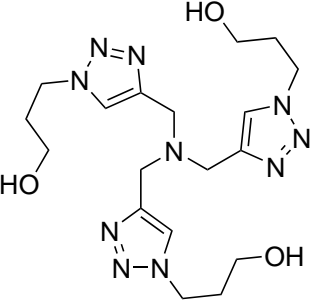


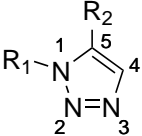
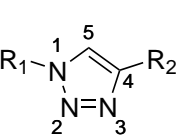


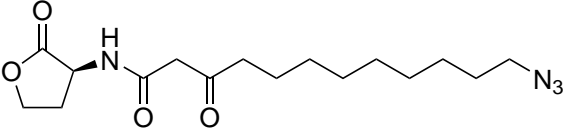




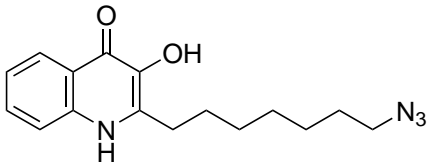




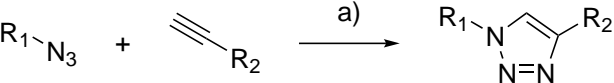


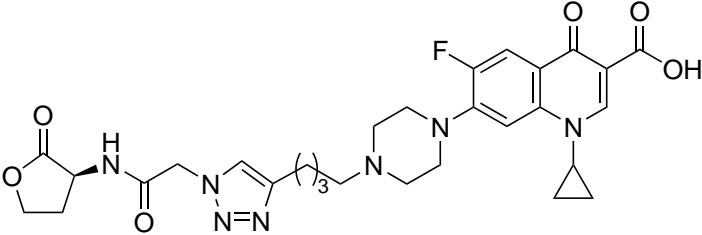


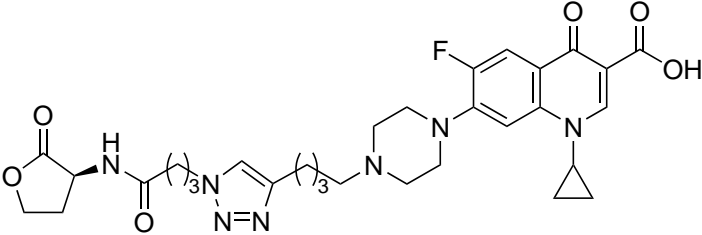
83

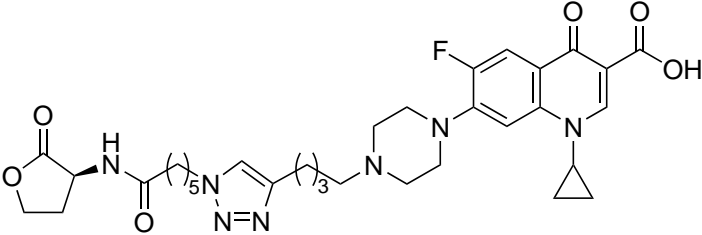


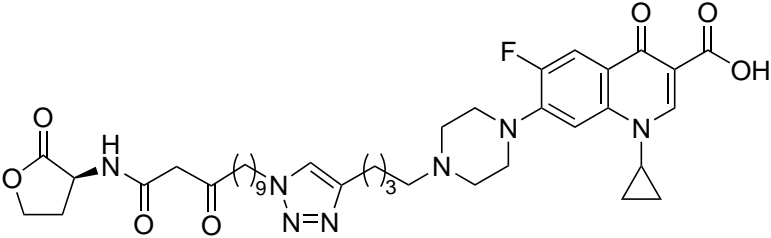
84

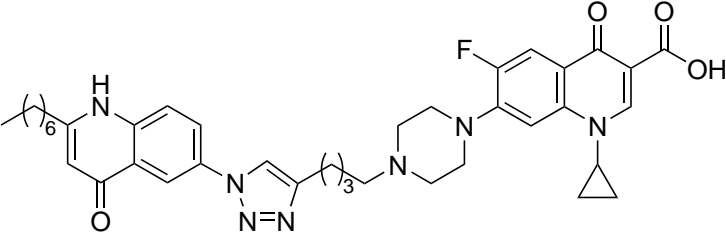


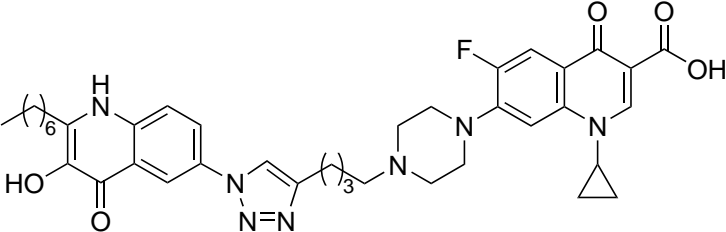


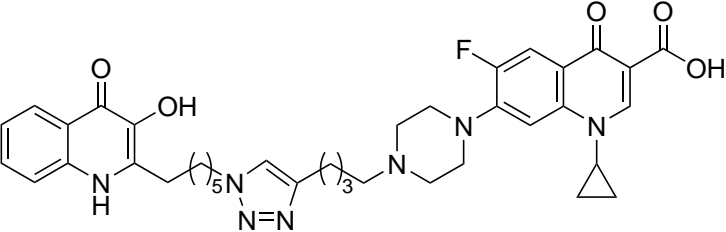


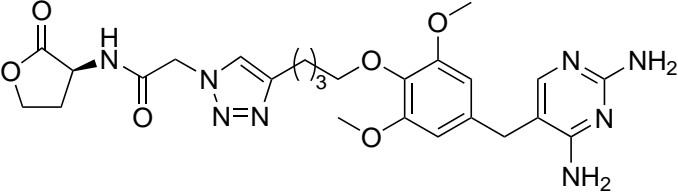


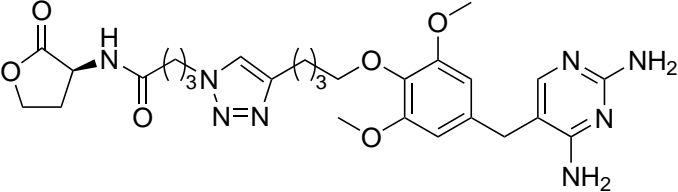


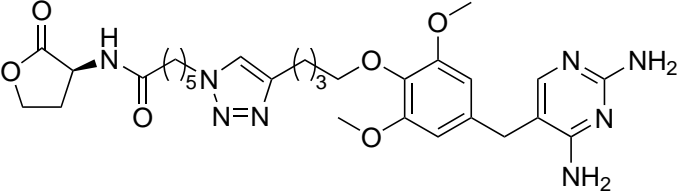


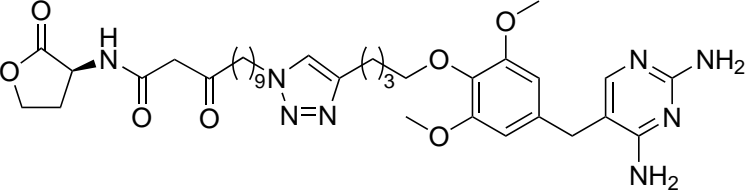


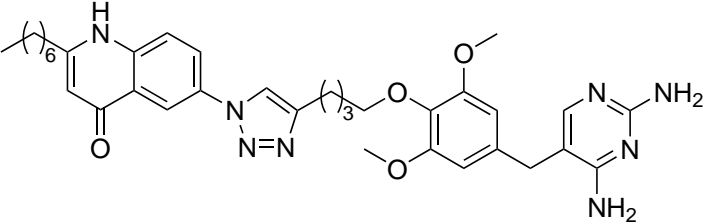


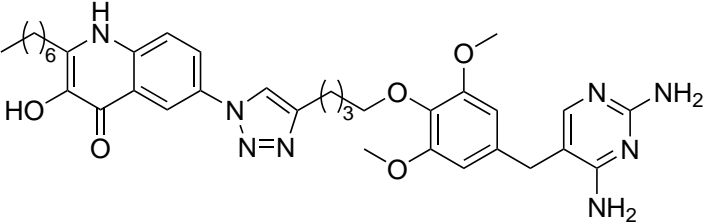


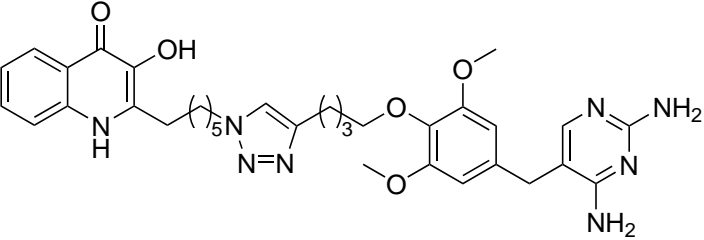


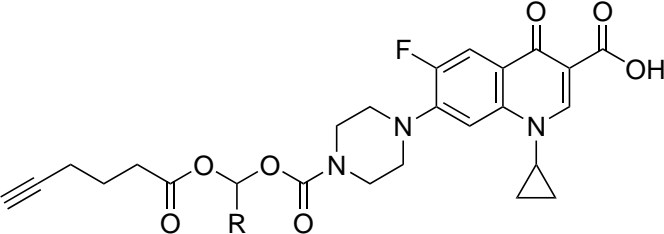






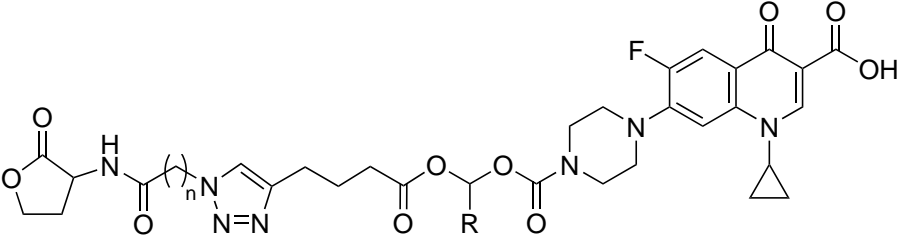






$R = H$ **98**

$R = Me$ **99**



$n = 1, R = H$ **100**

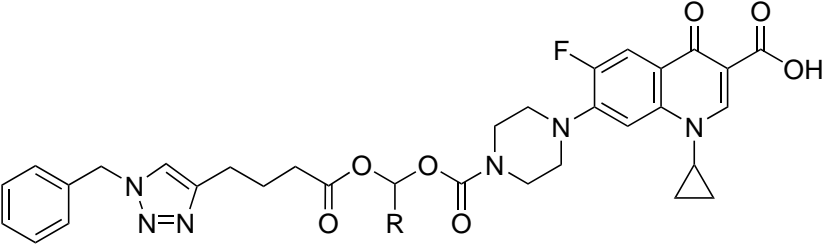
$n = 3, R = H$ **101**

$n = 5, R = H$ **102**

$n = 1, R = \text{Me}$ **103**

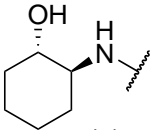
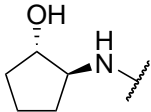
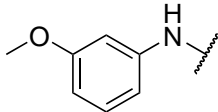
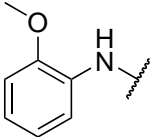
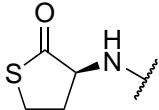
$n = 3, R = \text{Me}$ **104**

$n = 5, R = \text{Me}$ **105**

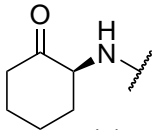


$\text{R} = \text{H}$ **106**

$\text{R} = \text{Me}$ **107**

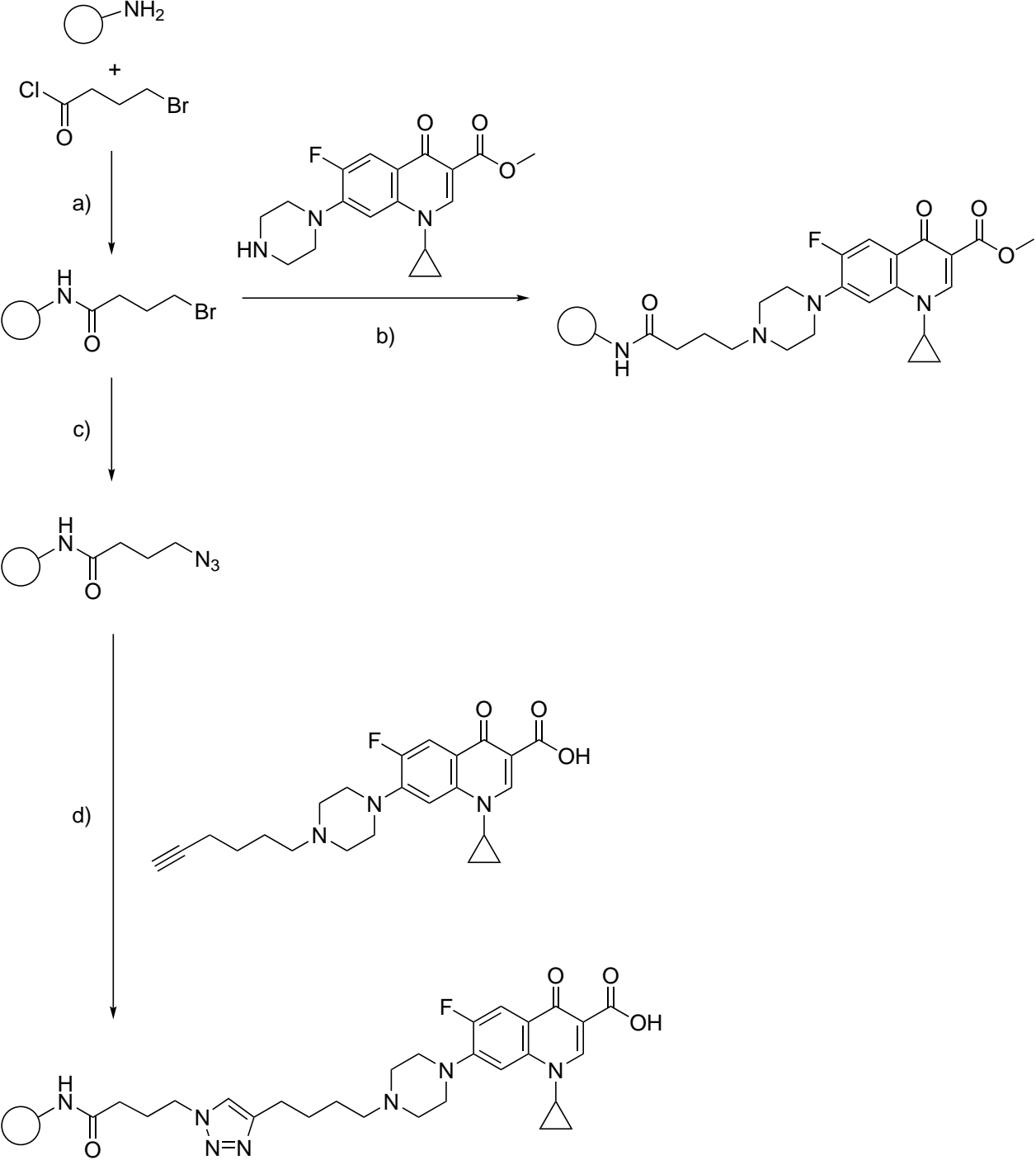


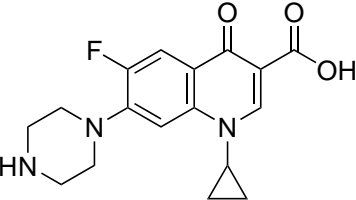
(±)

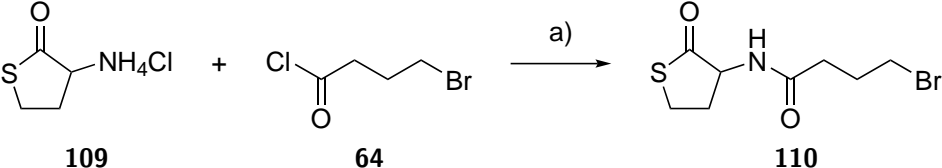


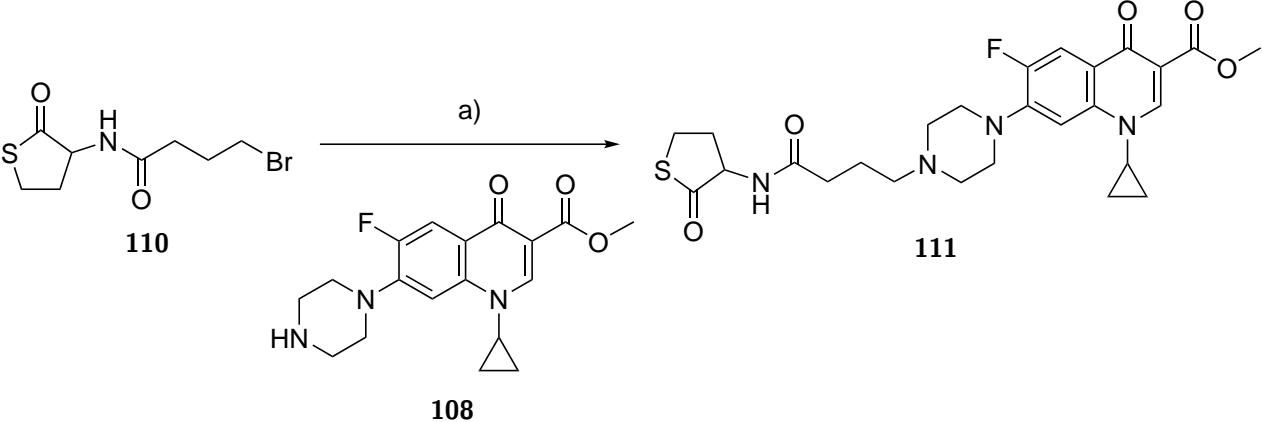
(±)

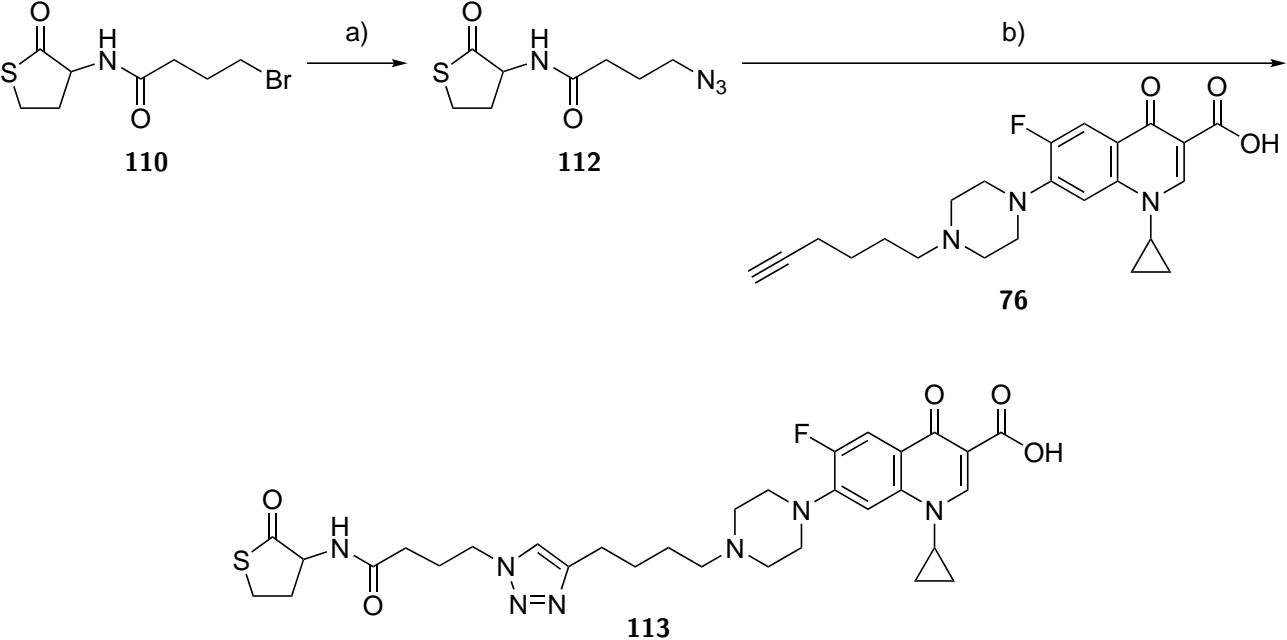
and enantiomer

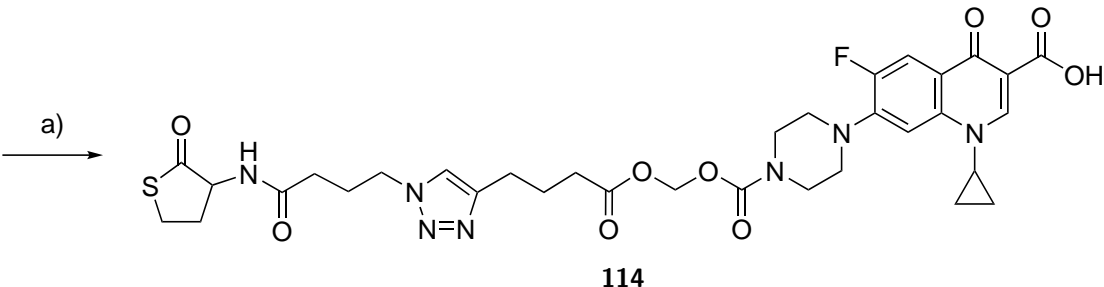
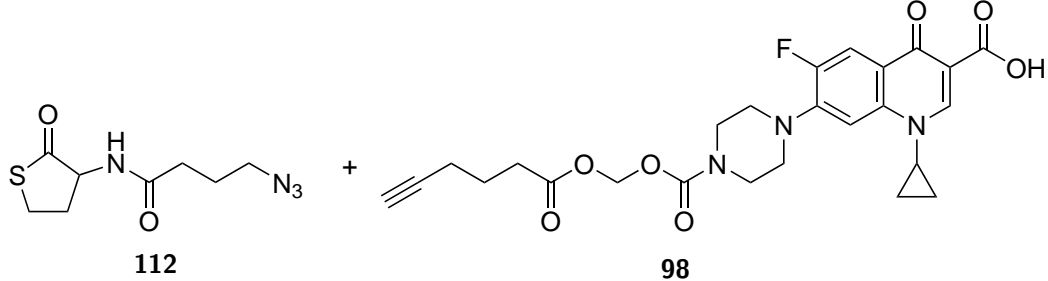


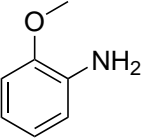






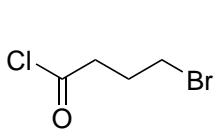






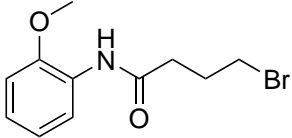
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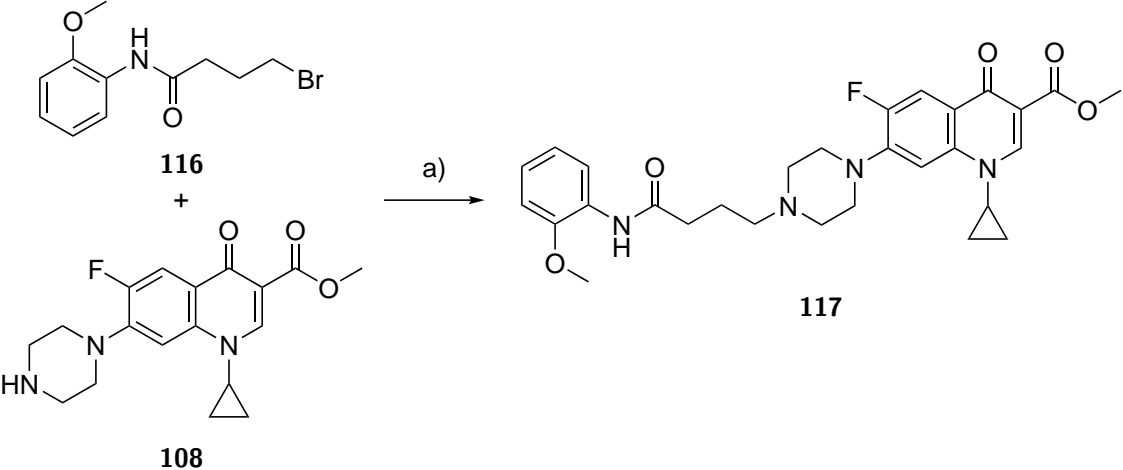


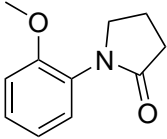
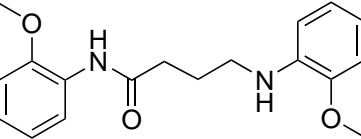
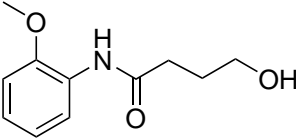
64

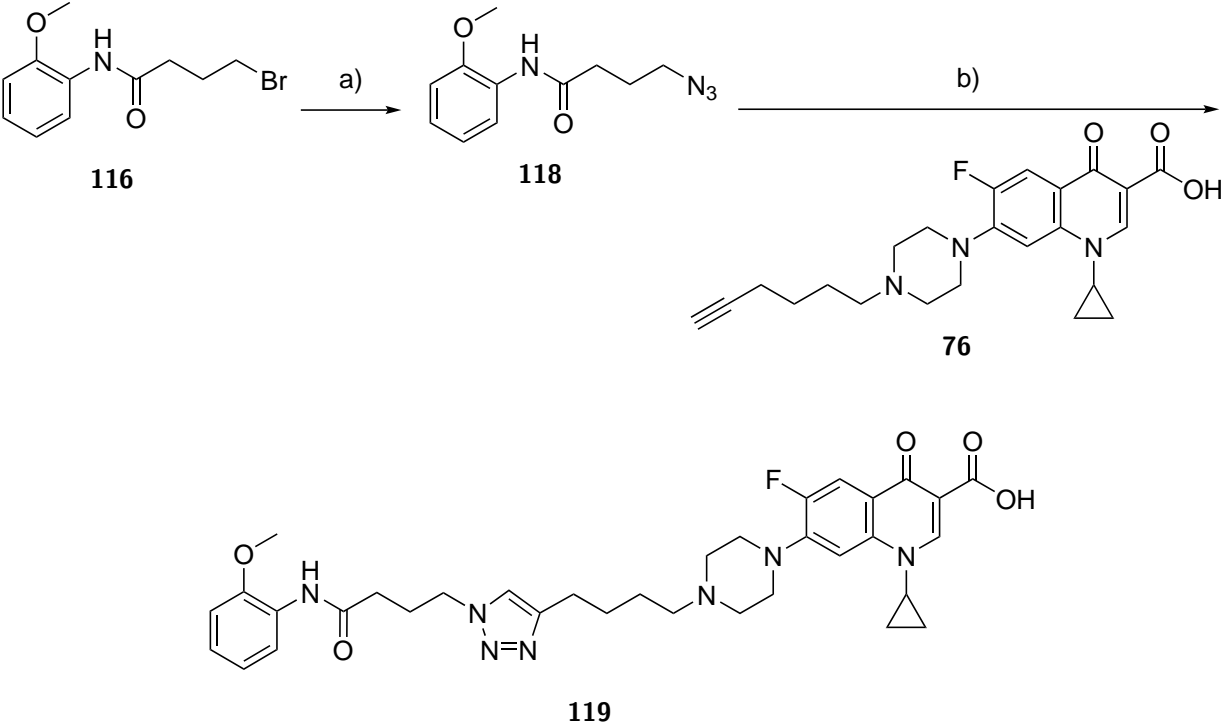
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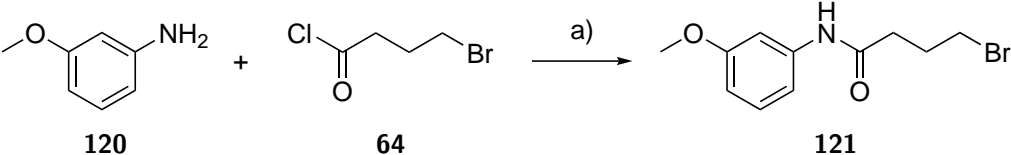


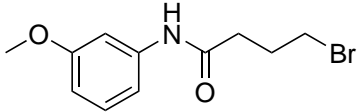
116





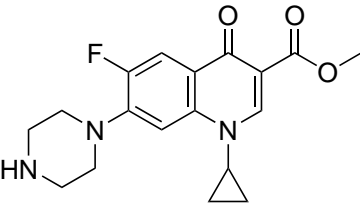




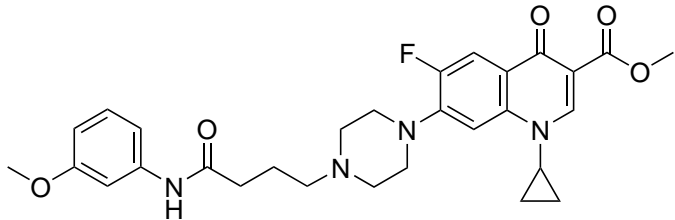
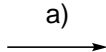


121

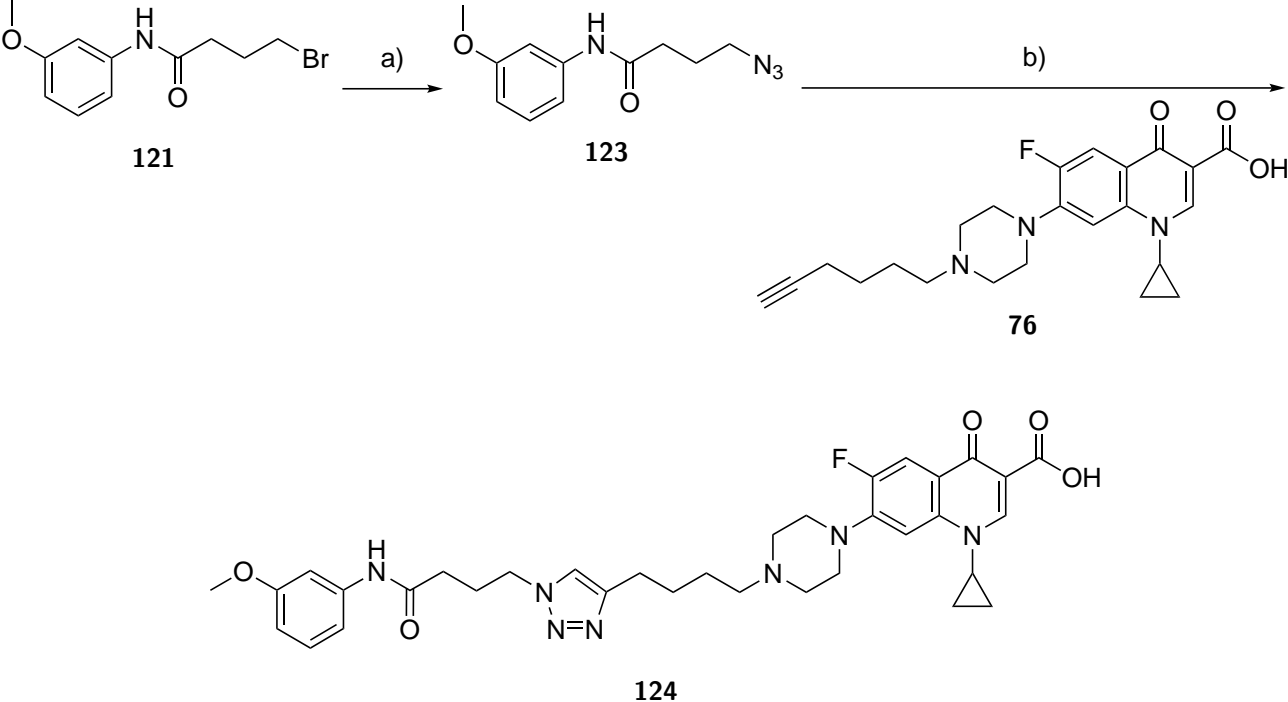
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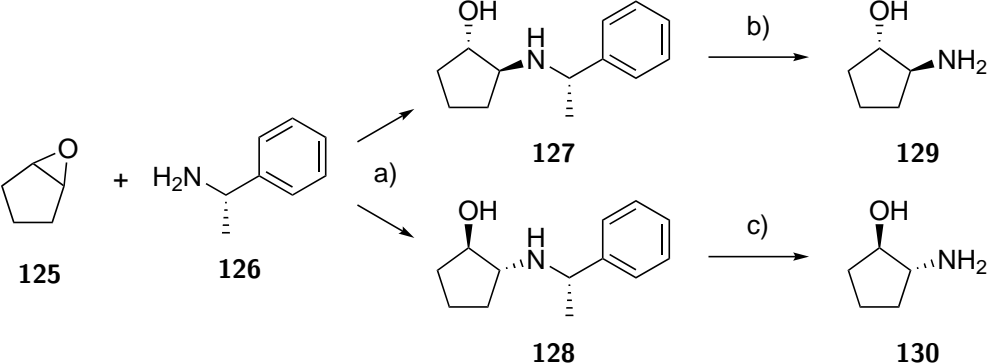


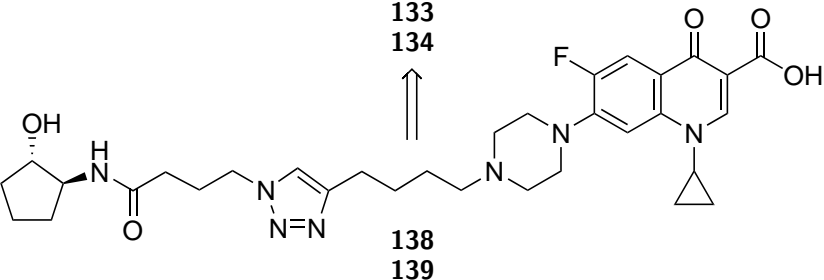
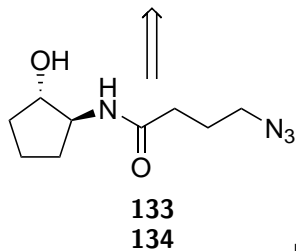
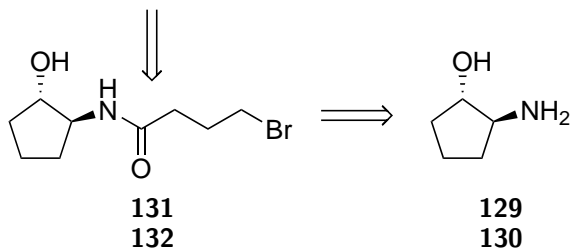
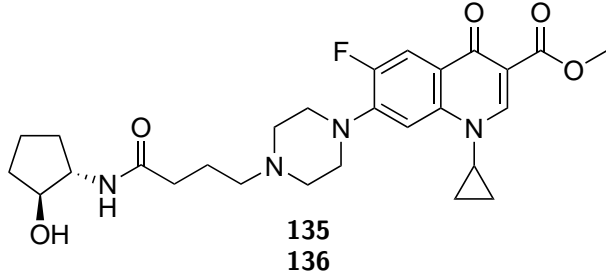
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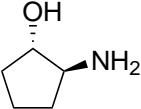


122



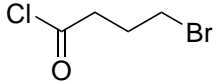




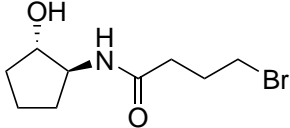
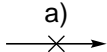


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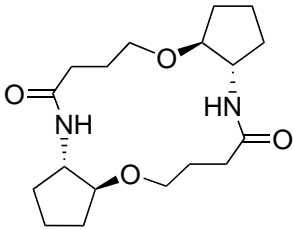
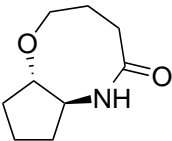
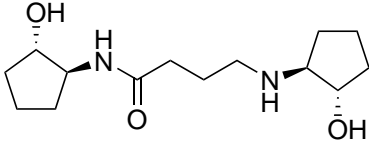
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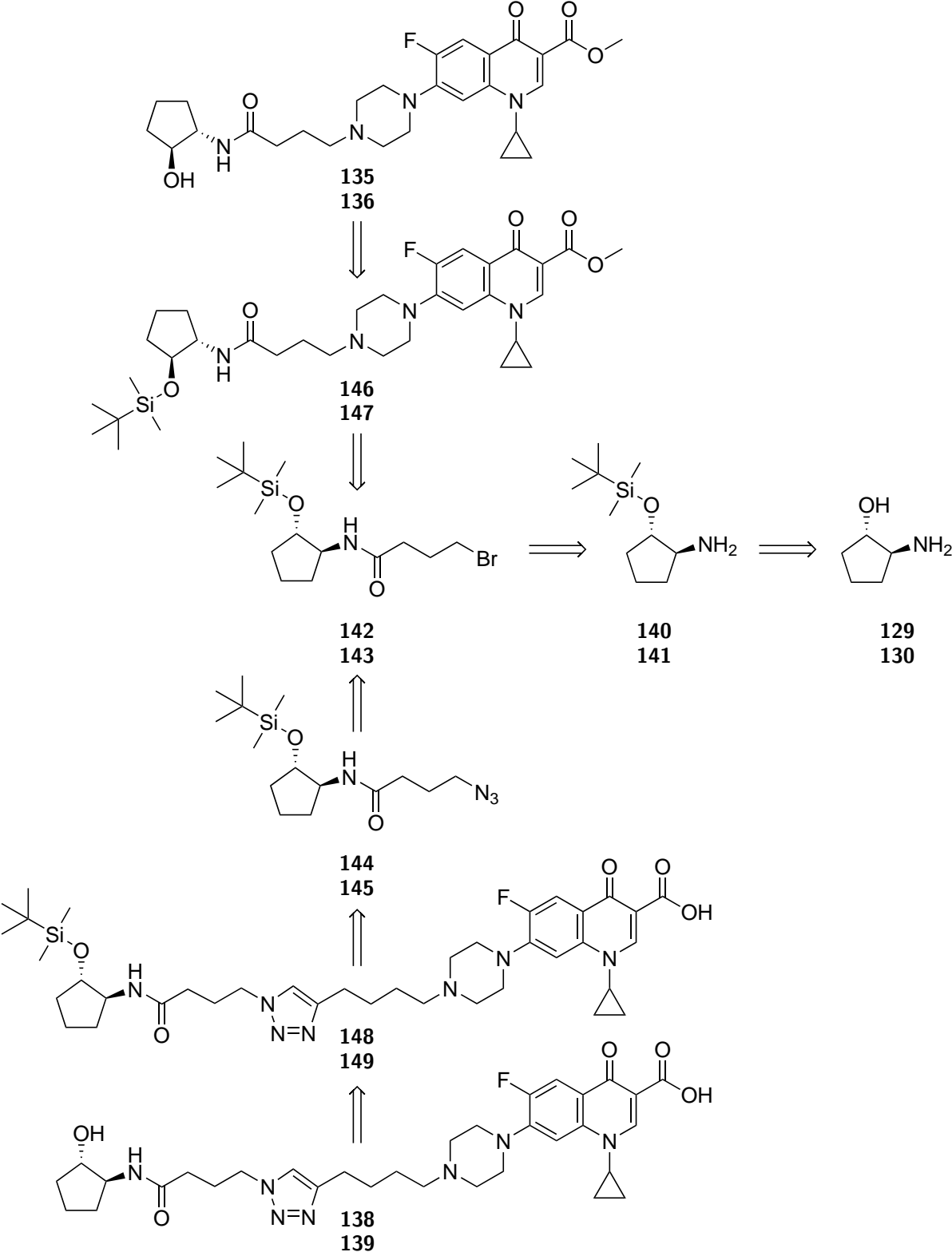


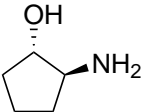
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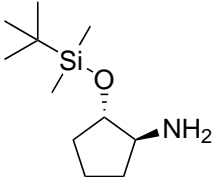
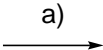
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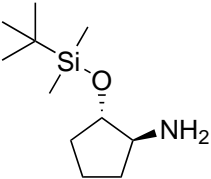




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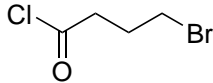


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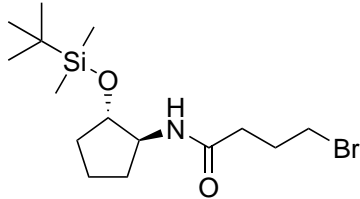
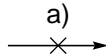


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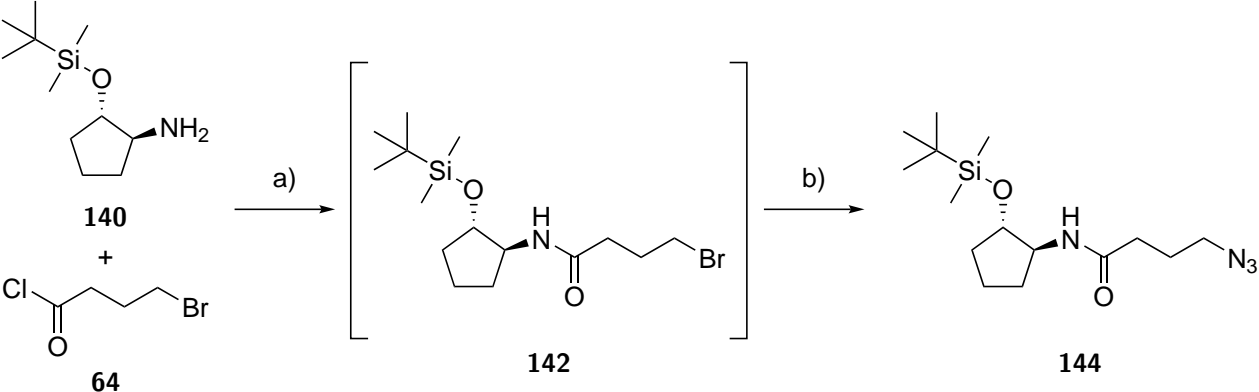
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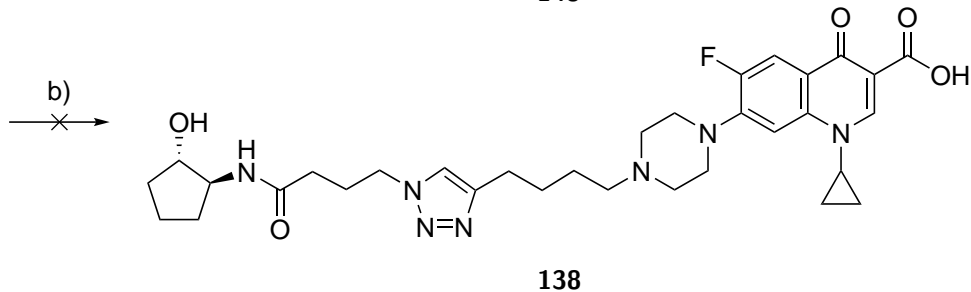
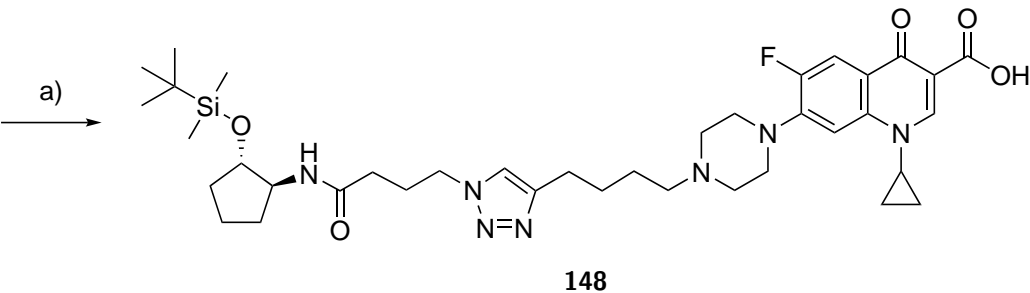
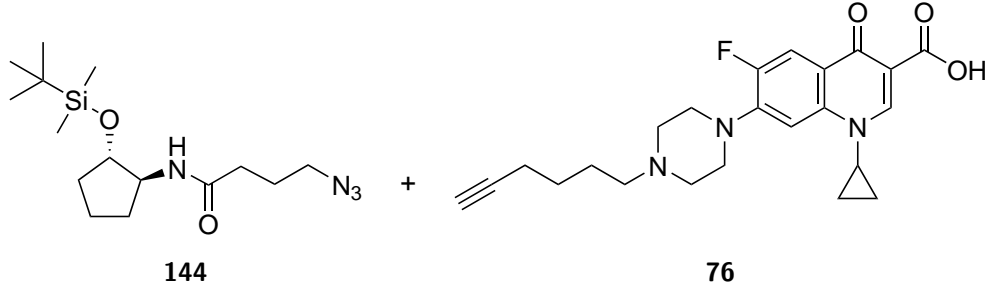


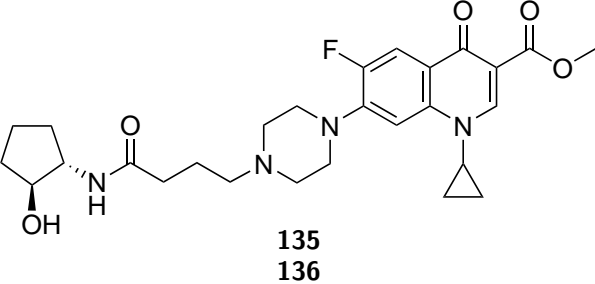
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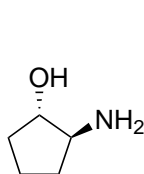
142





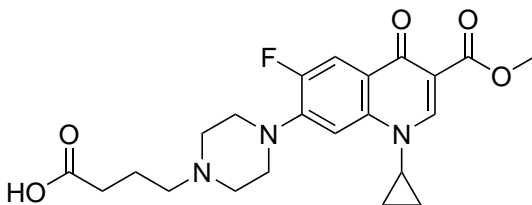


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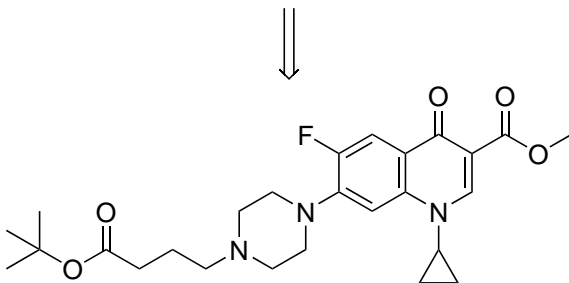


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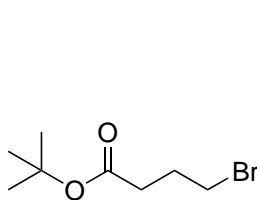
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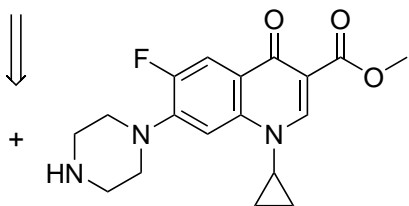
152



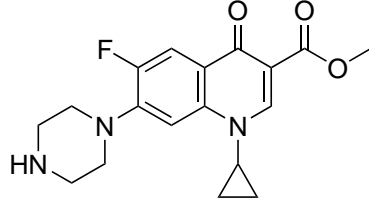
151



150

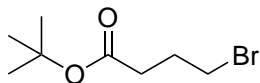


108



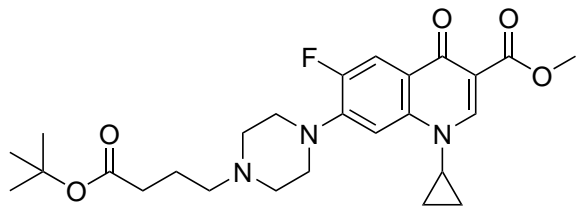
108

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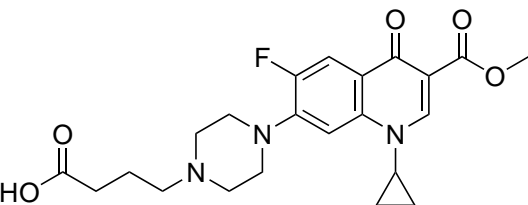
150

a)



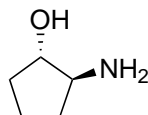
151

b)



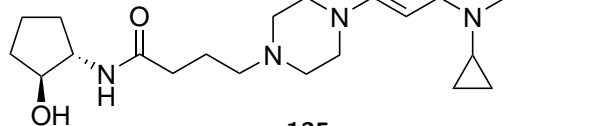
165

c)



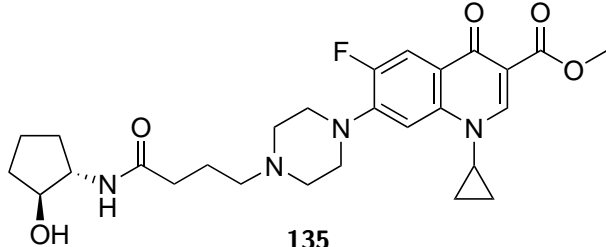
129

130



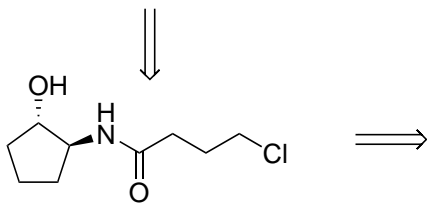
135

136



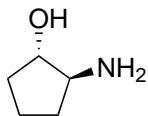
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136



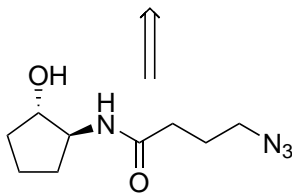
154

155



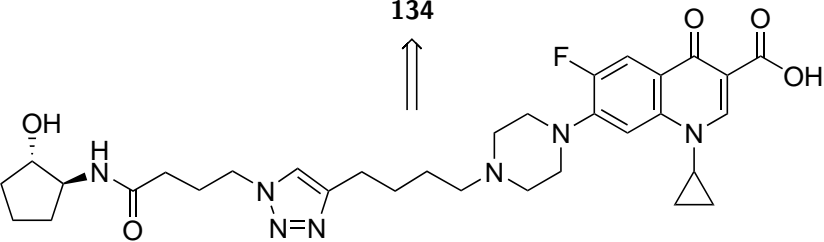
129

130



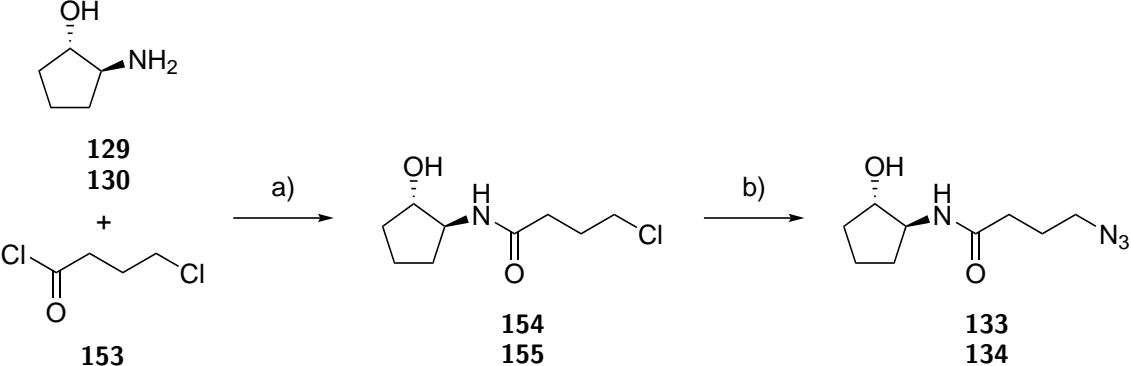
133

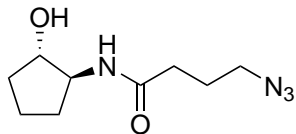
134



138

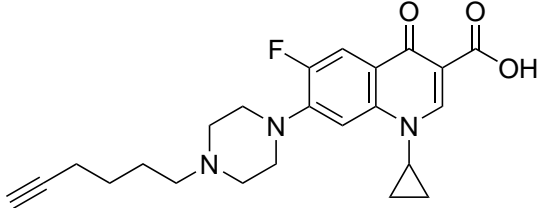
139





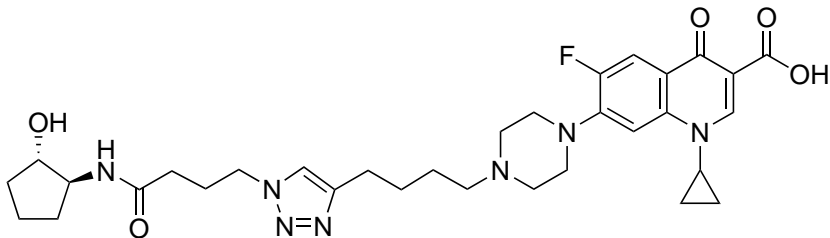
133
134

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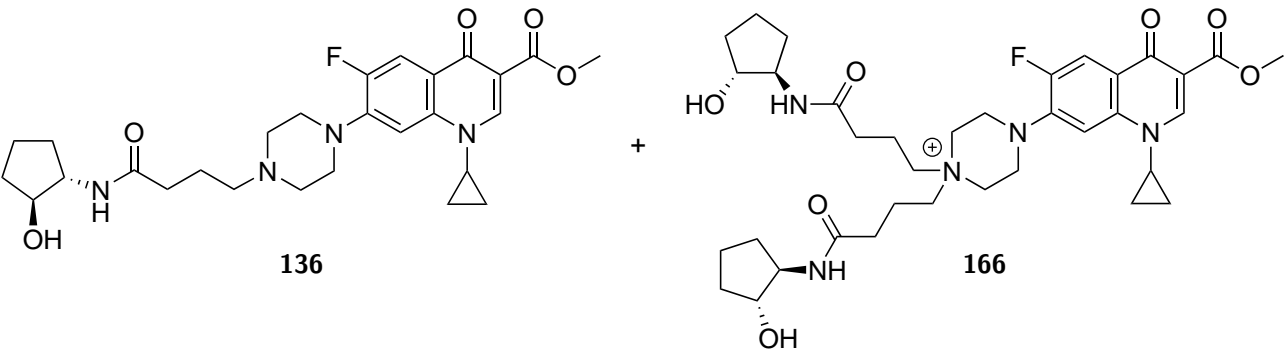
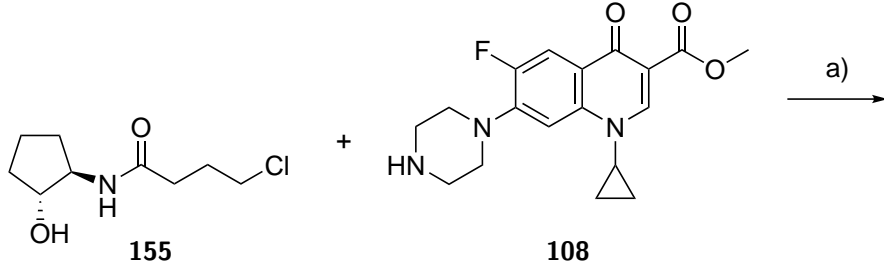


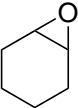
76

a) →

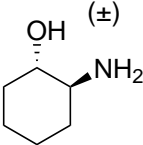
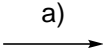


138
139

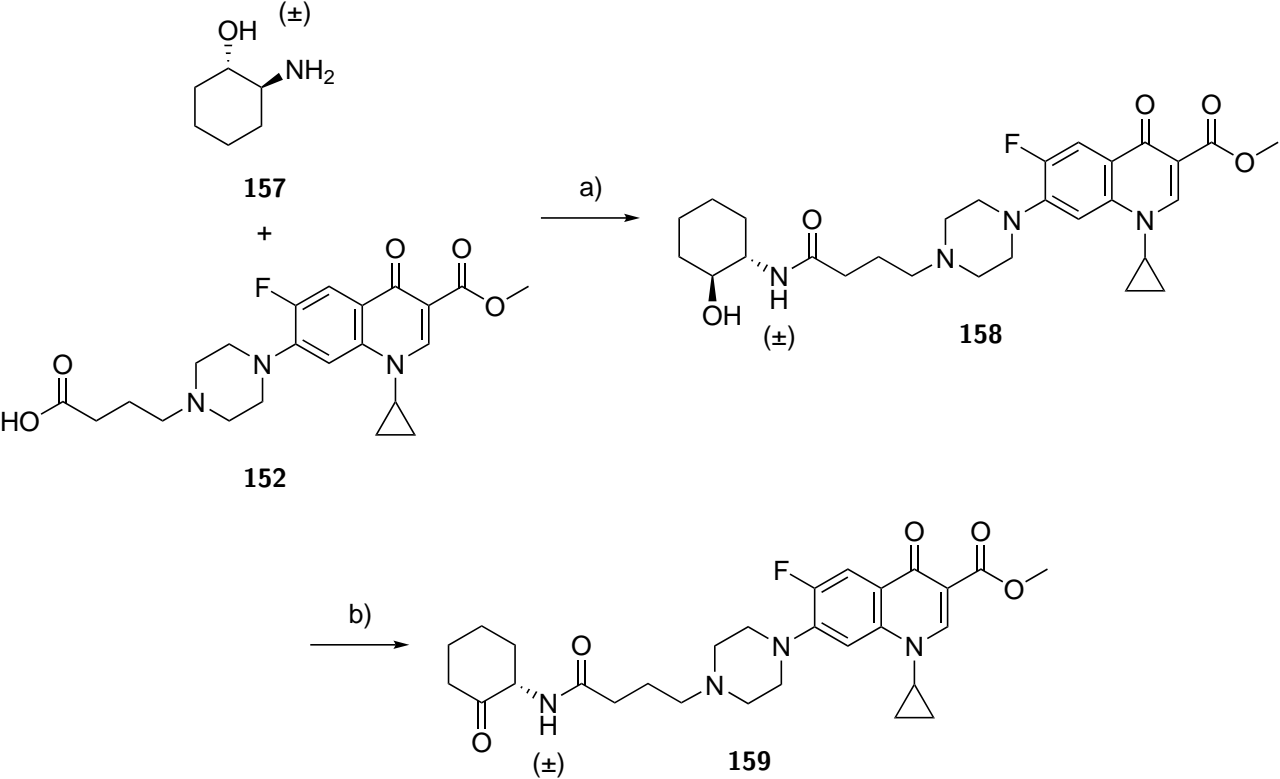


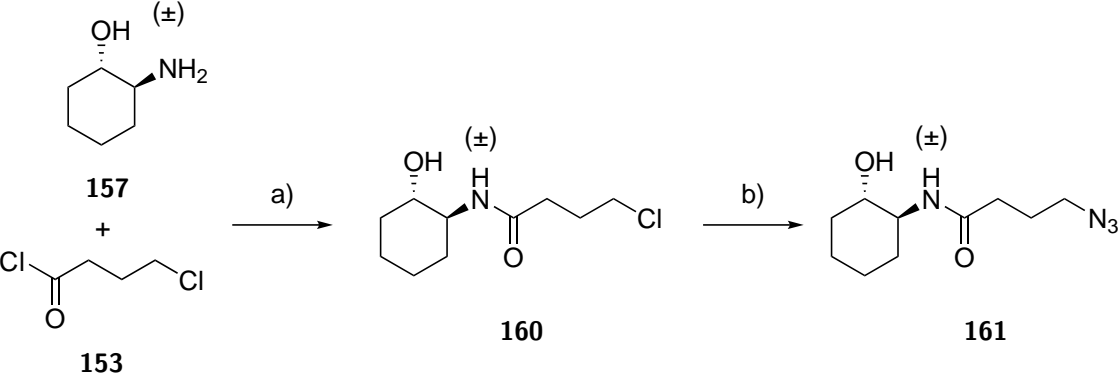


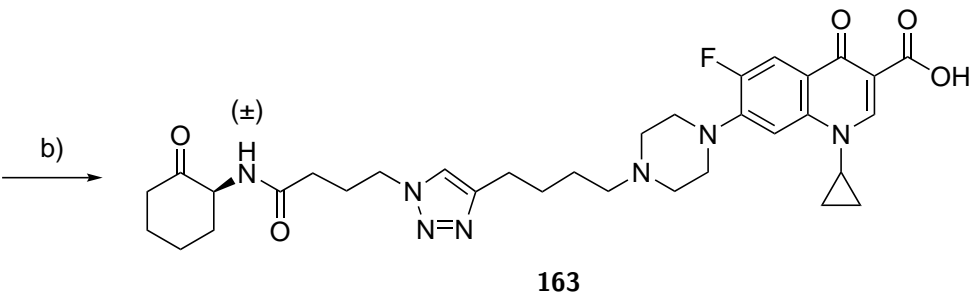
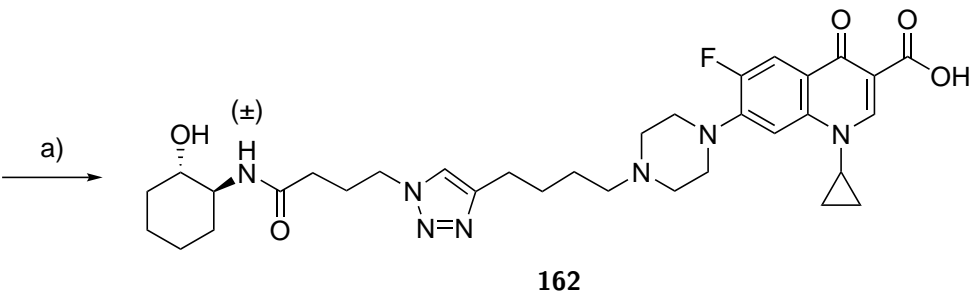
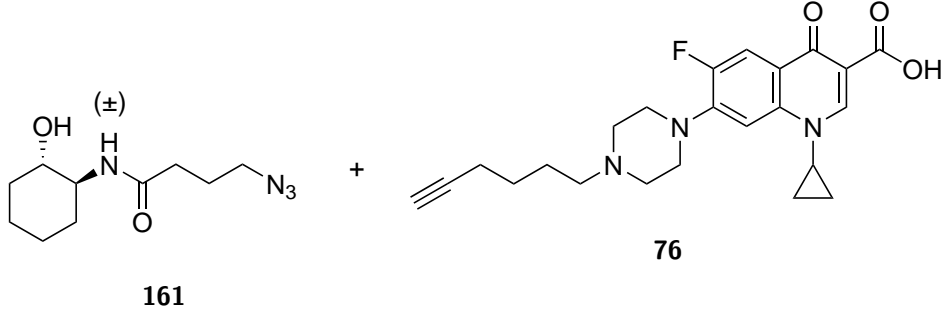
156

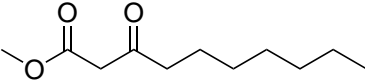


157

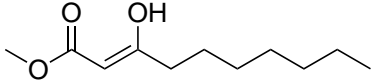




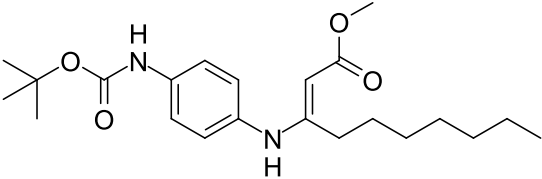


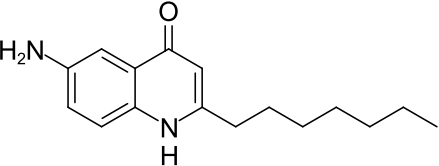


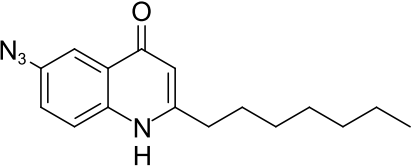
41
92 %

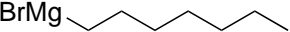


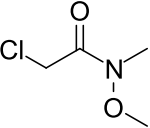
42
8 %

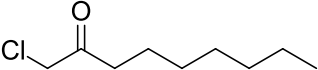


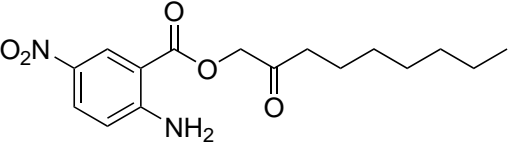


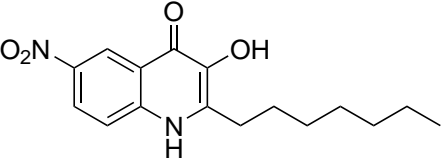


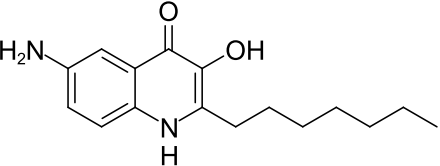


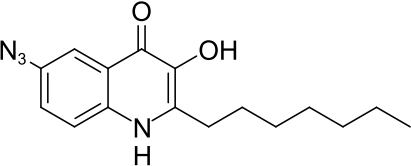


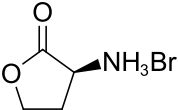


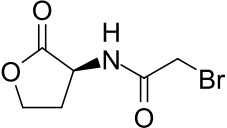


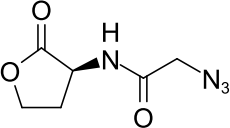


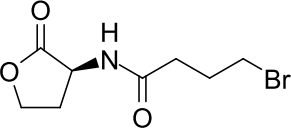


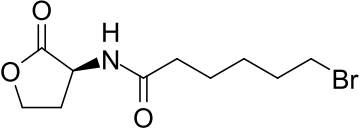


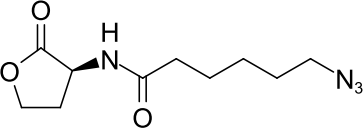


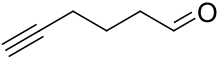


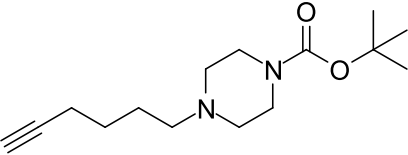


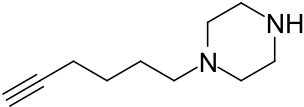


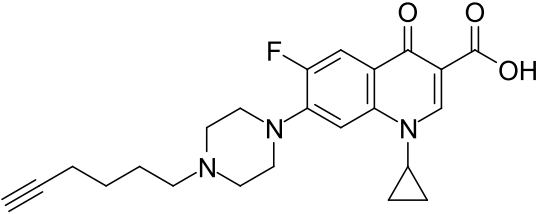


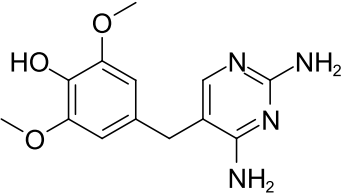


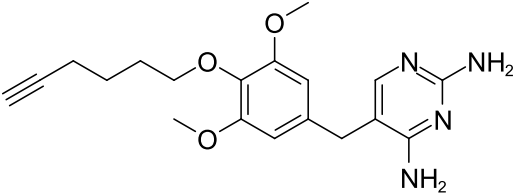


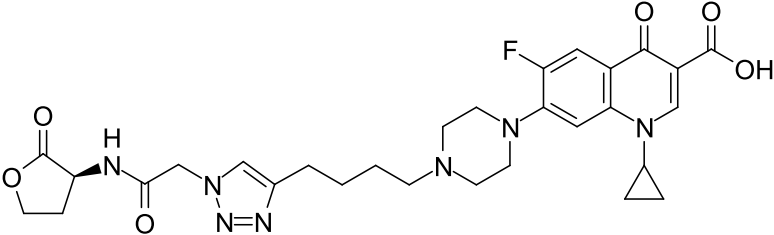


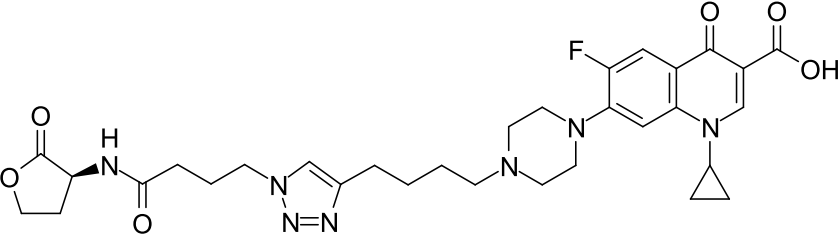


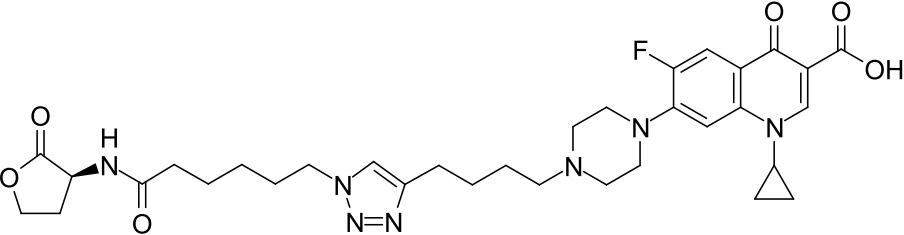


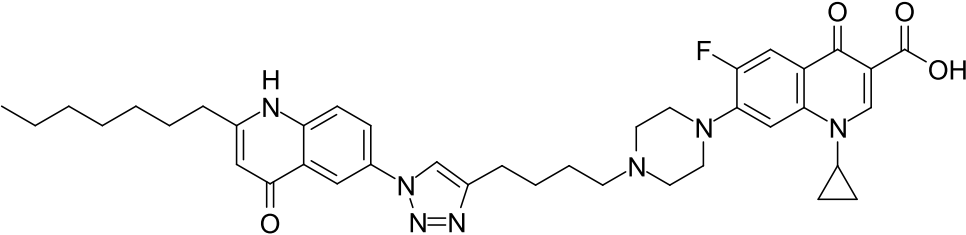


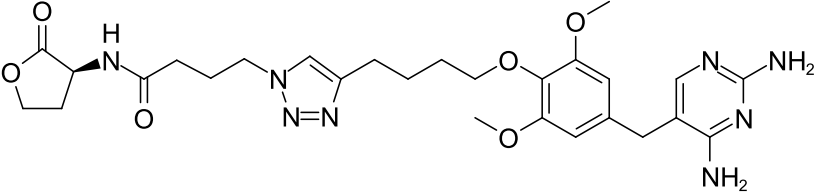


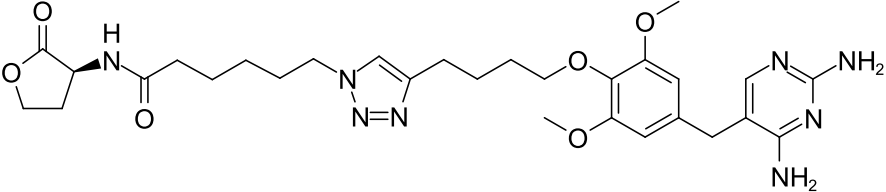


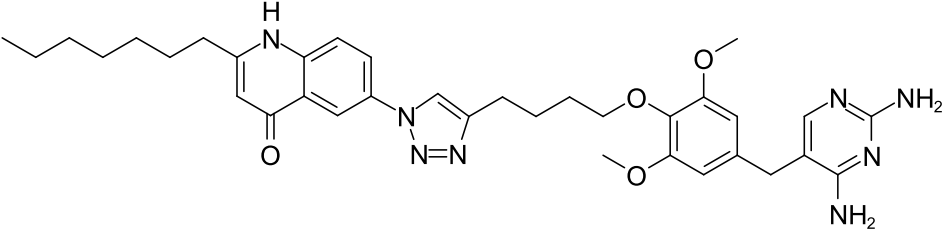


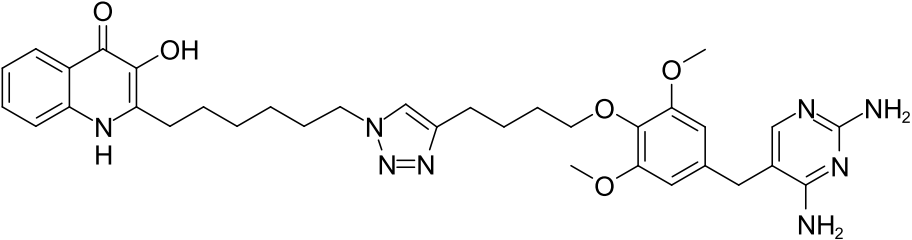


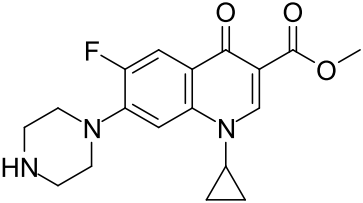


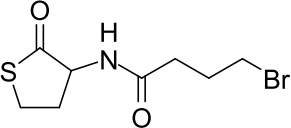


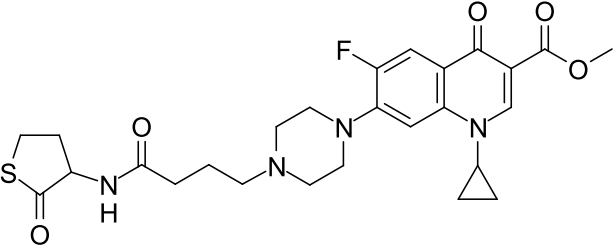


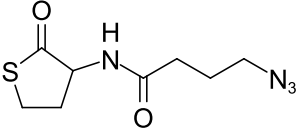


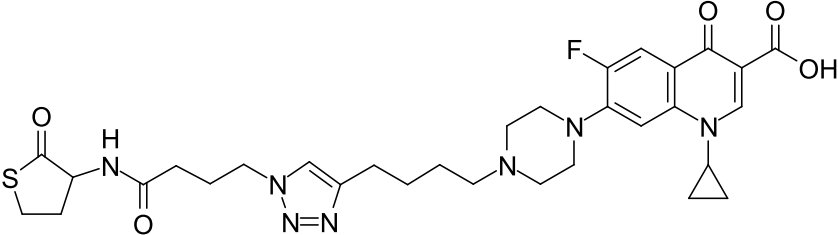


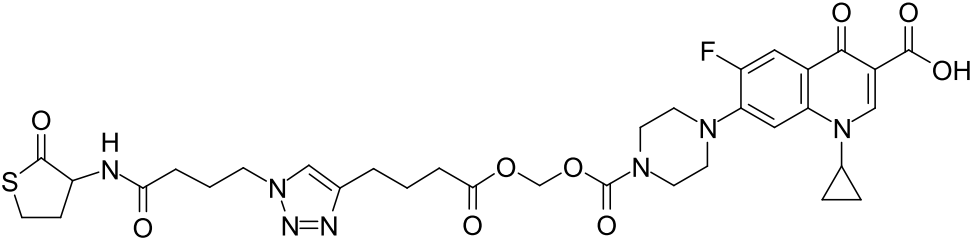


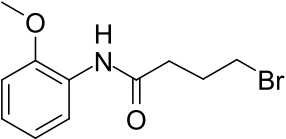


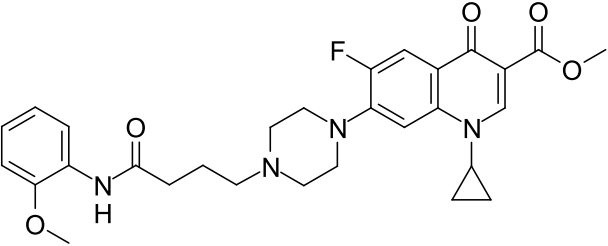


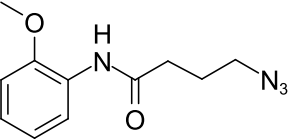


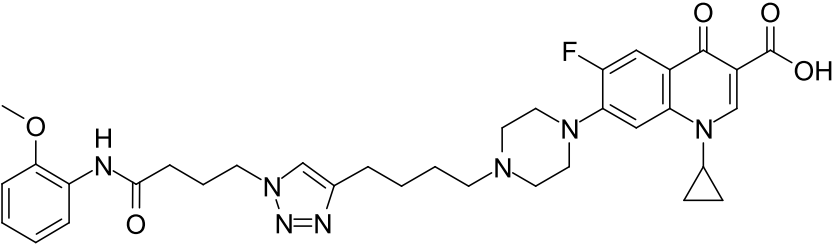


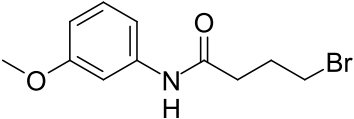


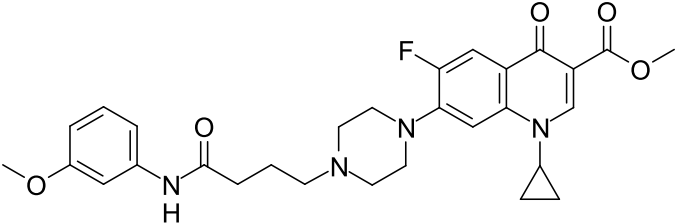


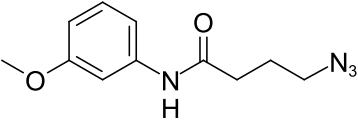


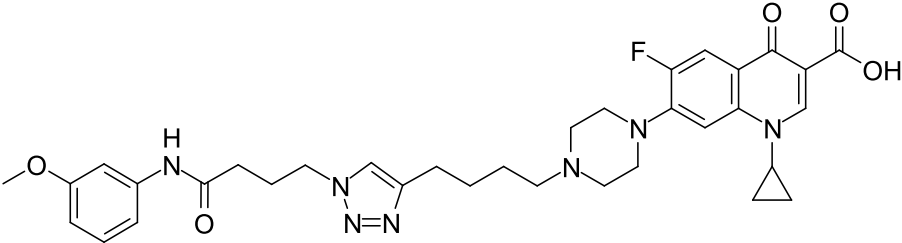


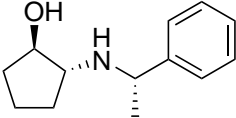




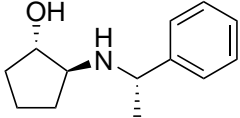








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