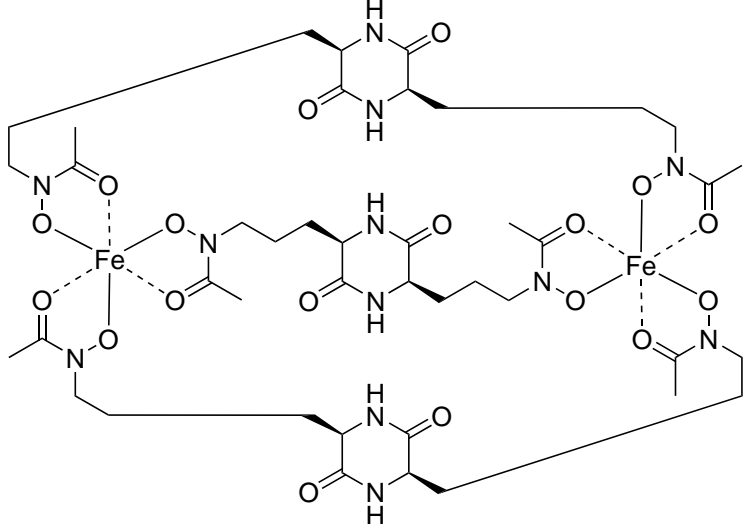
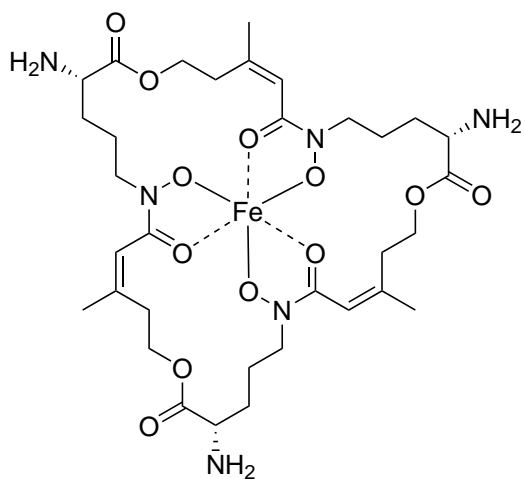


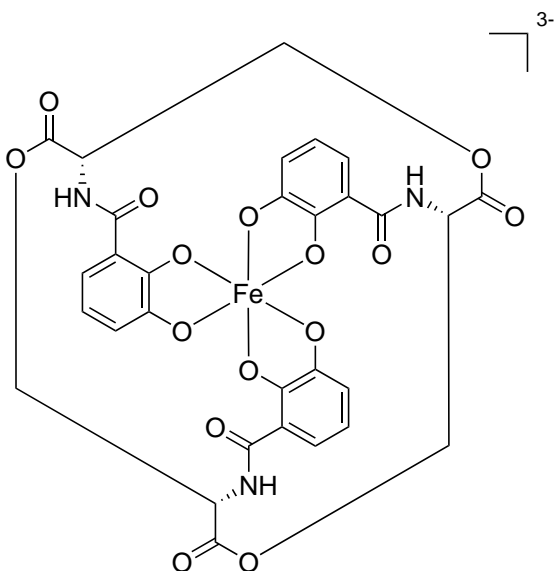
Deferoxamine B
1



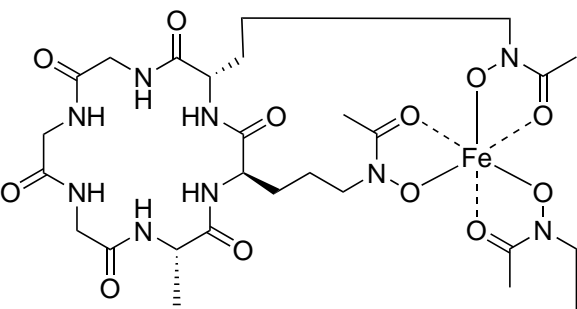
Rhodotorulic acid
2



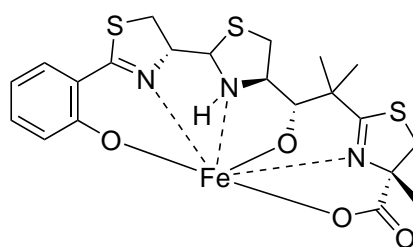
Fusarinine C
3



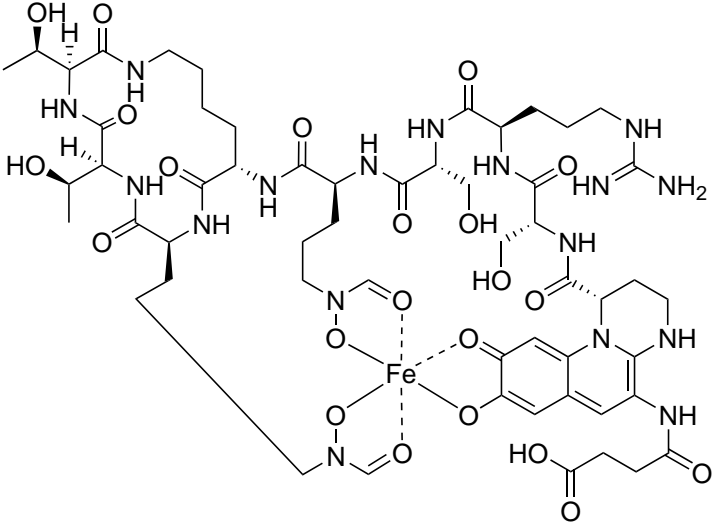
Enterobactin
4



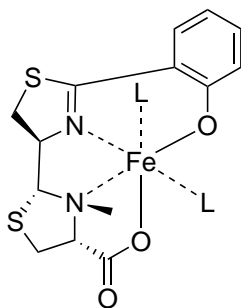
Ferrichrome
5



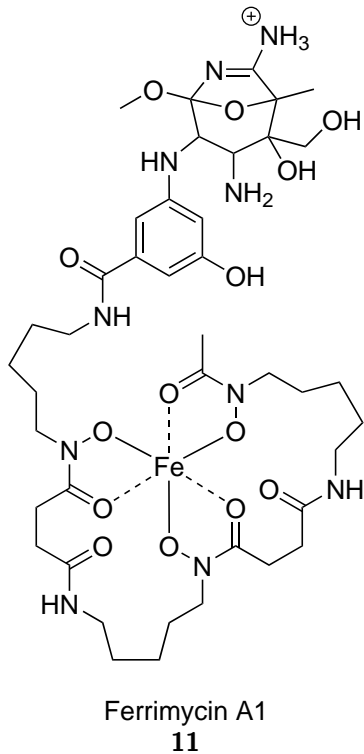
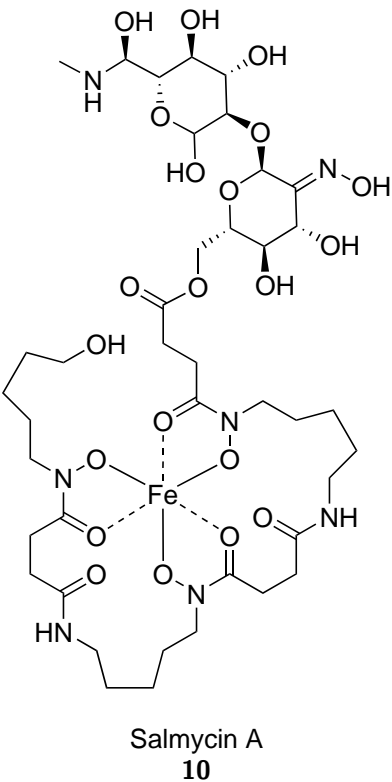
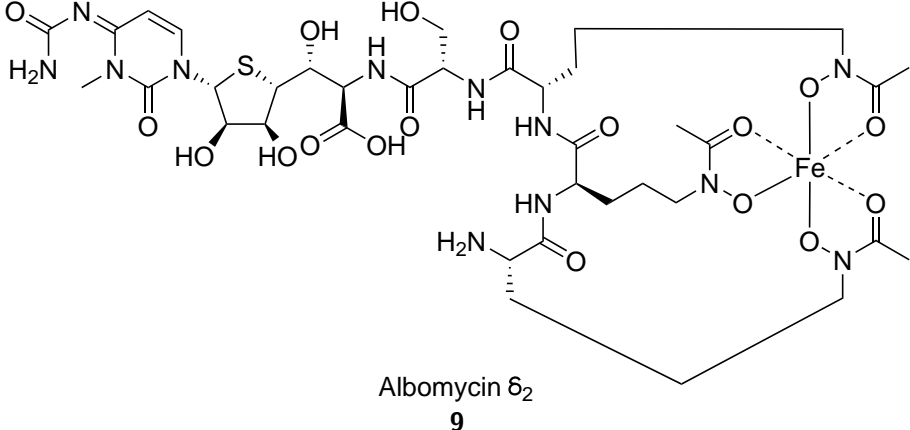
Yersiniabactin
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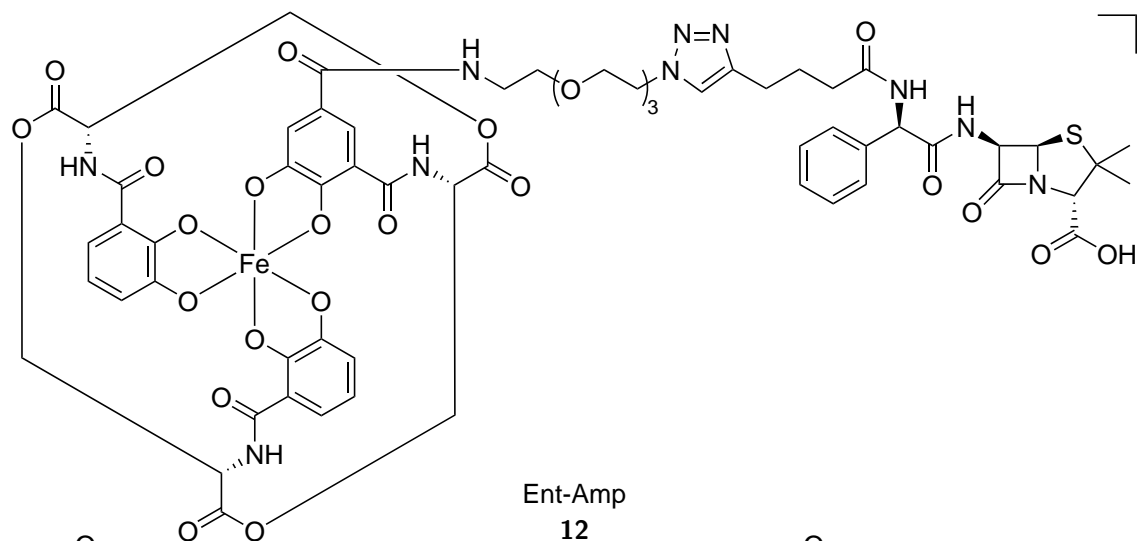


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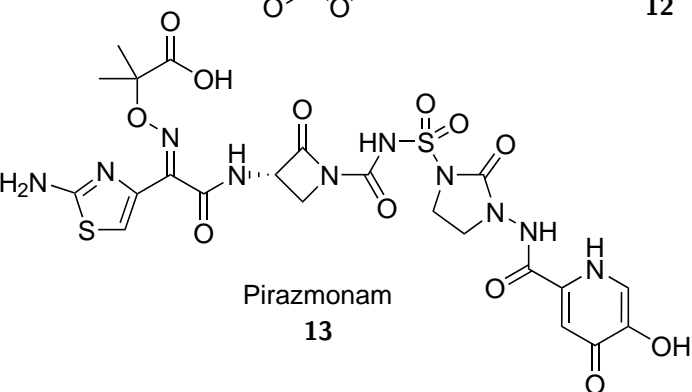


8

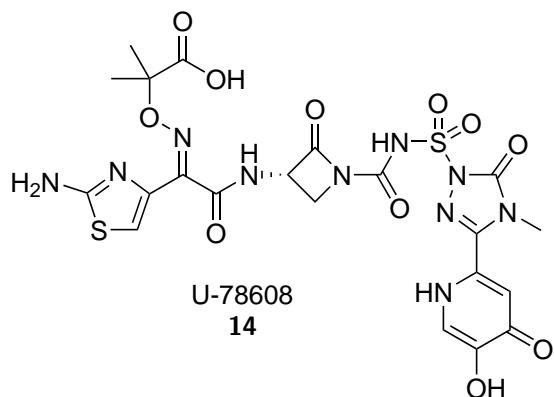




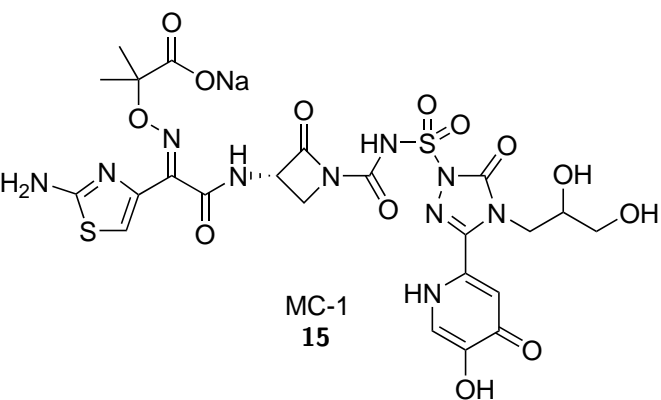
Ent-Amp
12



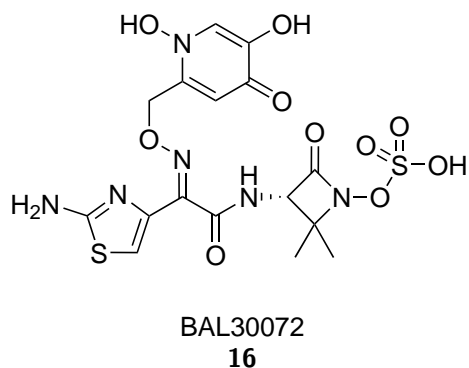
Pirazmonam
13



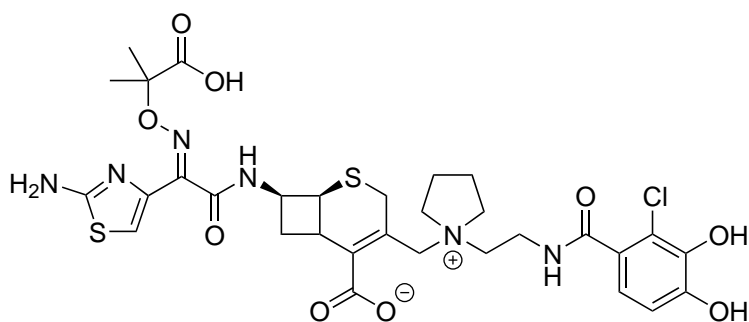
U-78608
14



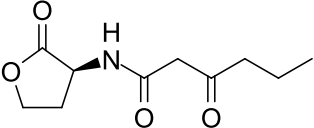
MC-1
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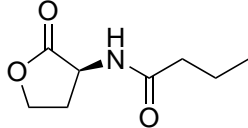


BAL30072
16

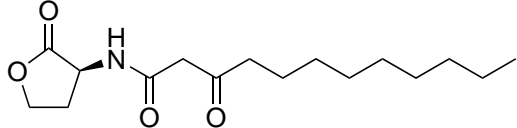


Cefiderocol
17

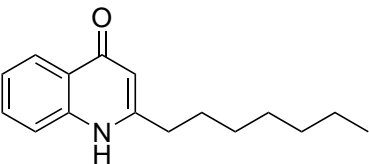




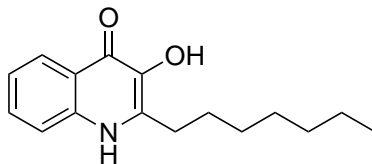
C₄-HSL
19



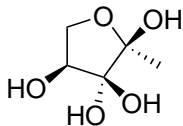
3-oxo-C₁₂-HSL
20



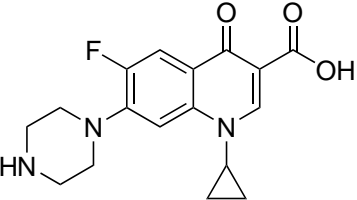
HHQ
21



PQS
22

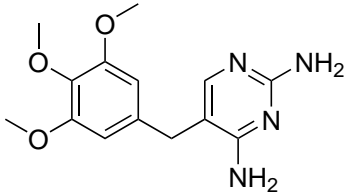


Al-2
23



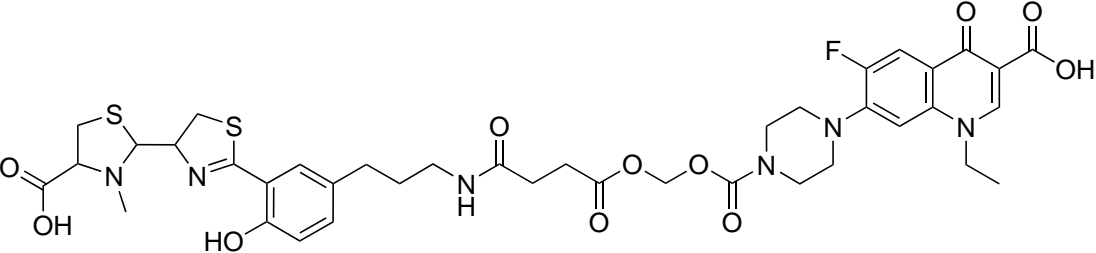
Ciprofloxacin

24

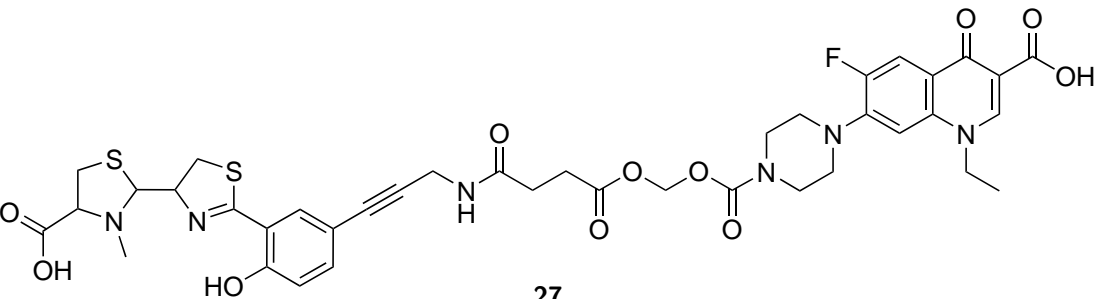


Trimethoprim

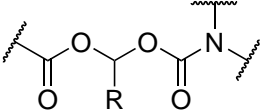
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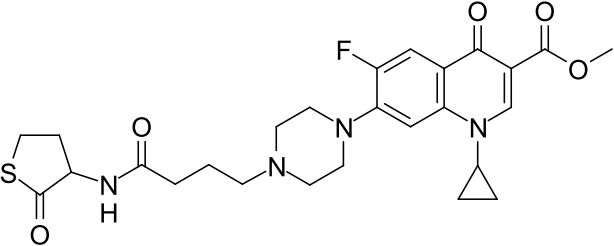


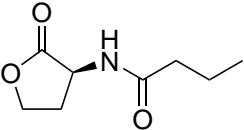
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27

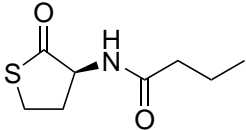






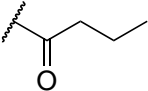
C₄-HSL

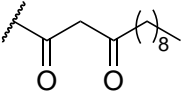
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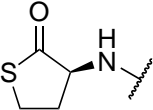


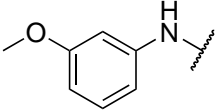
C₄-HCTL

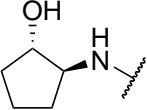
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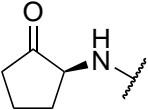


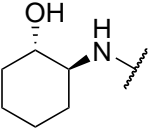


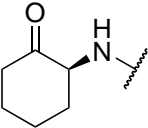


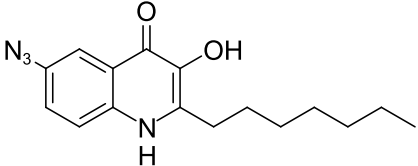
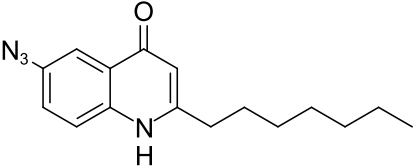


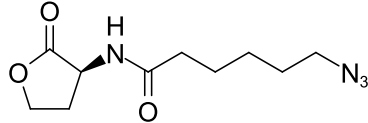
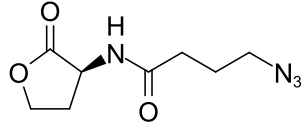
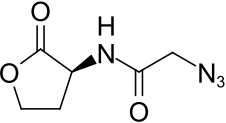


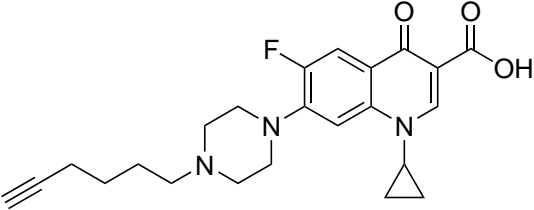




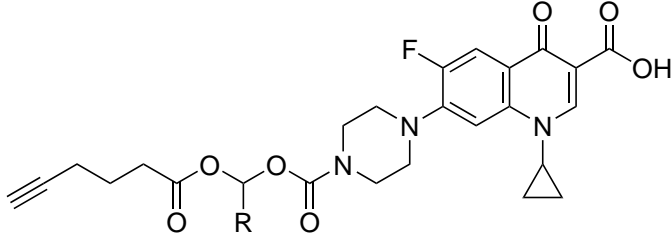






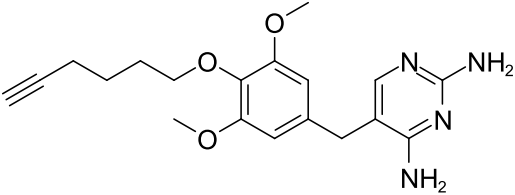


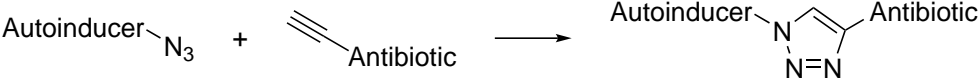
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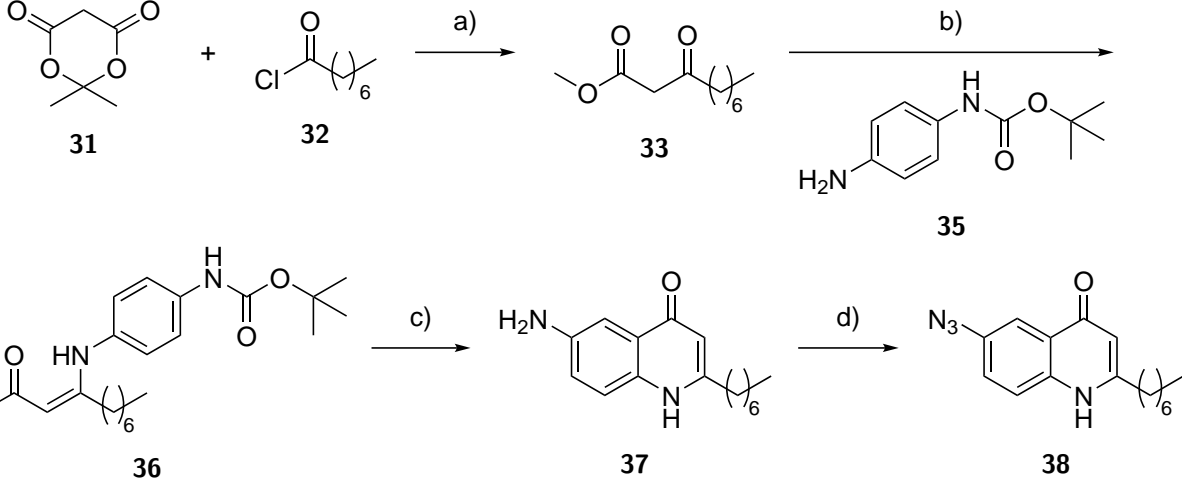


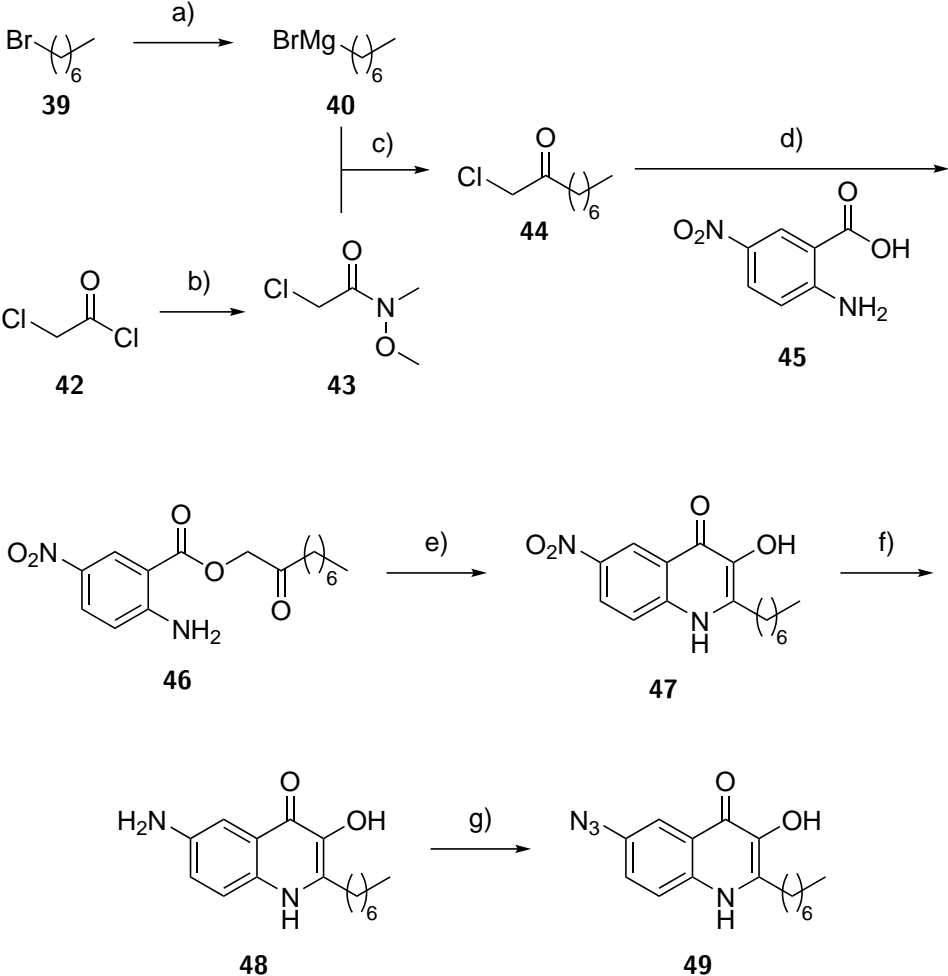
R = H 90

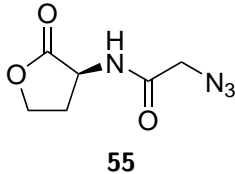
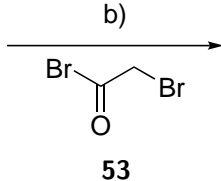
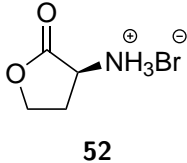
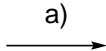
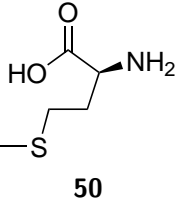
R = Me 91

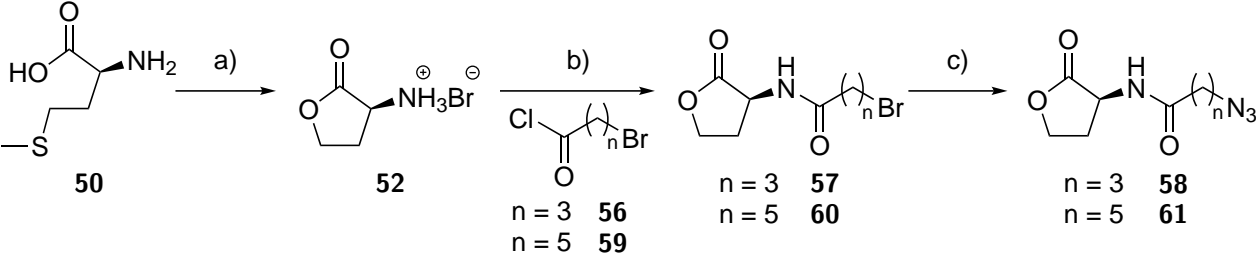


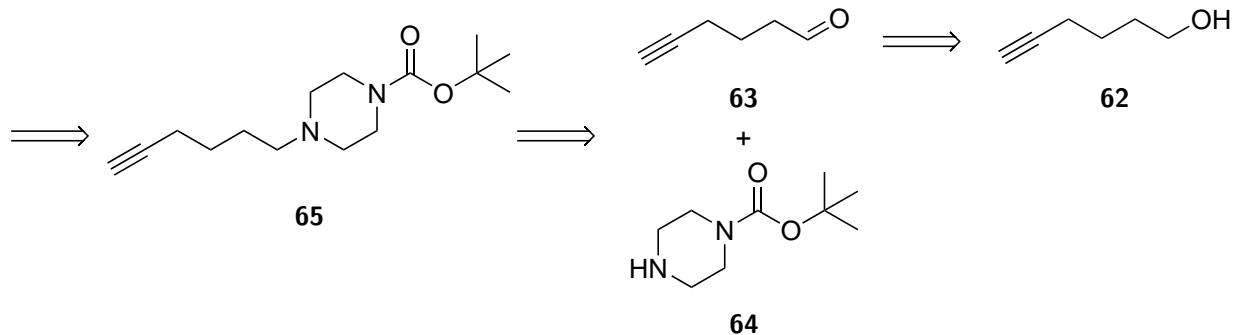
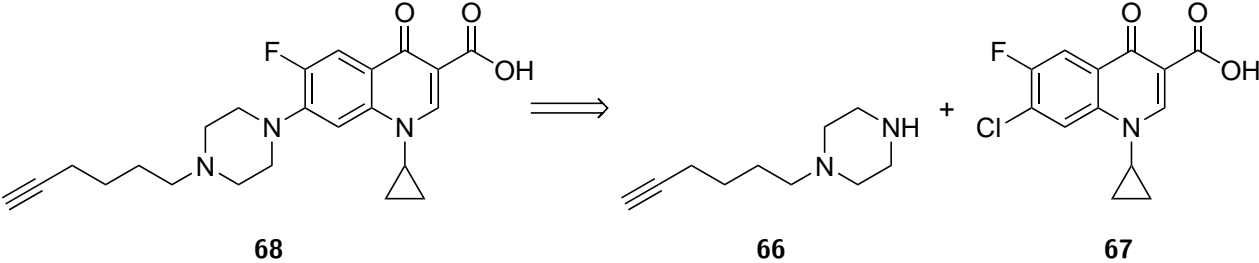


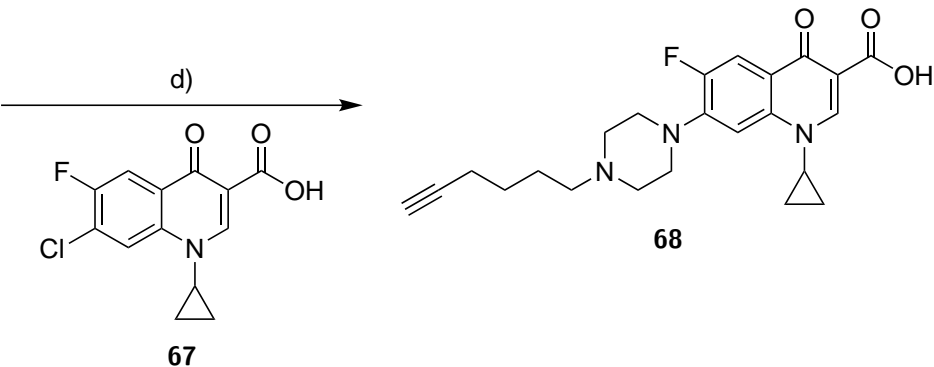
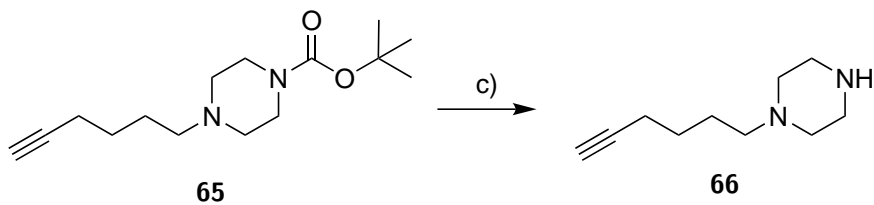
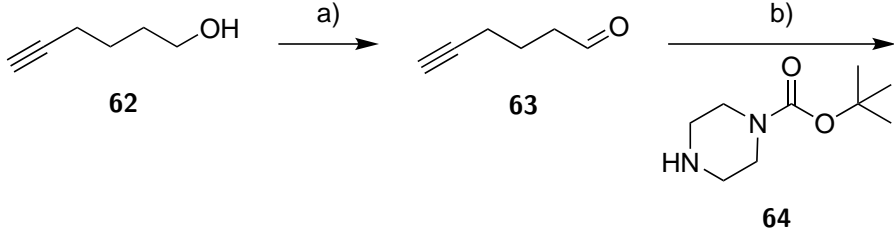


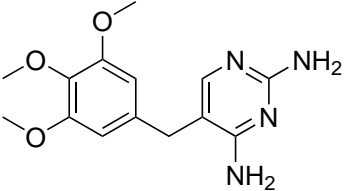




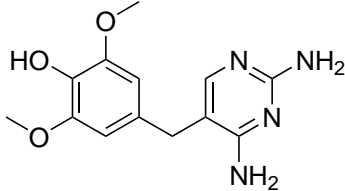
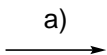




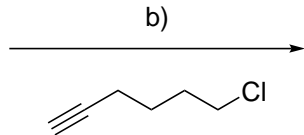




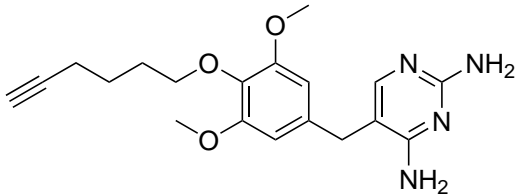
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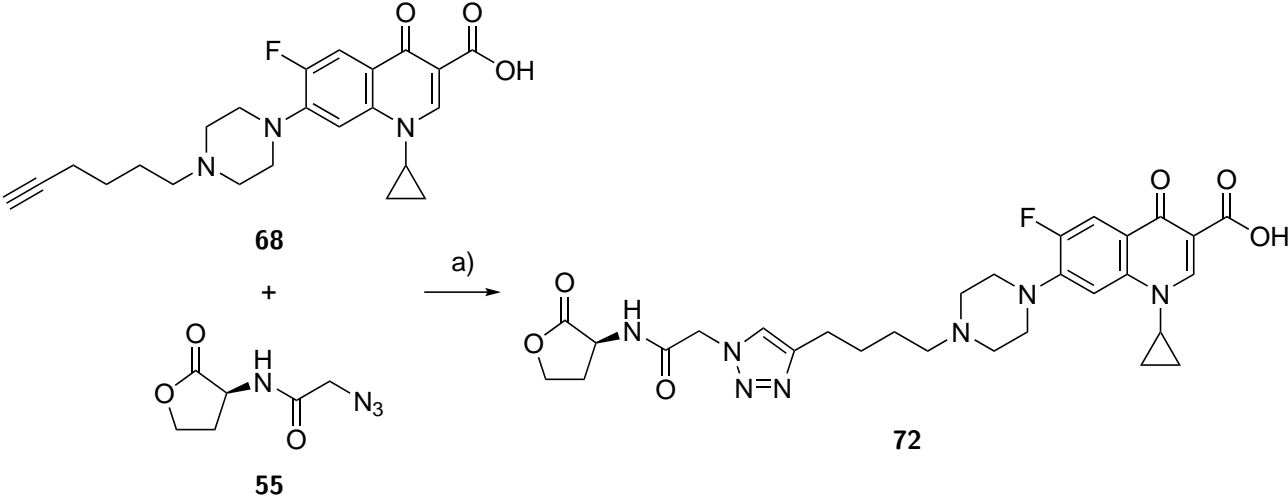
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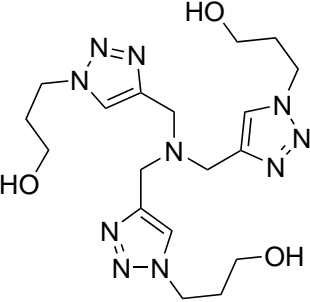


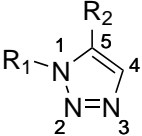
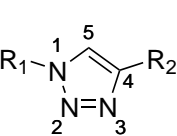
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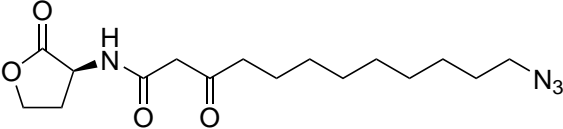


71

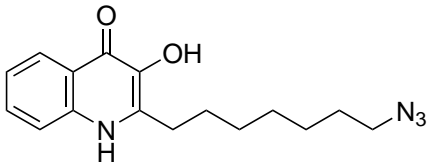




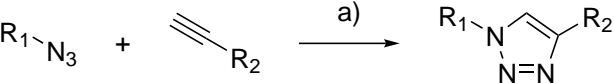


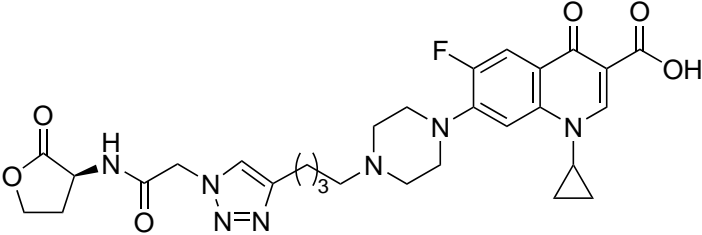


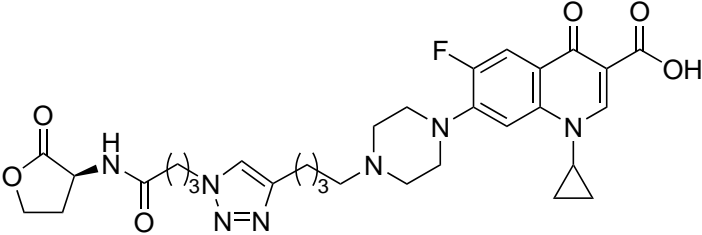
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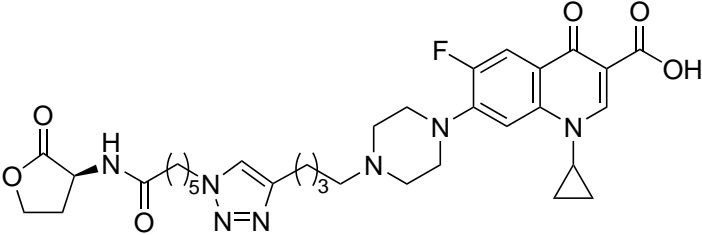


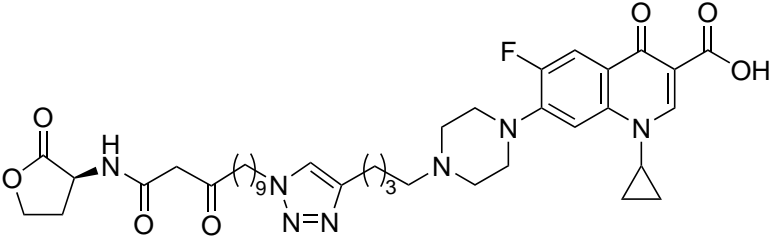
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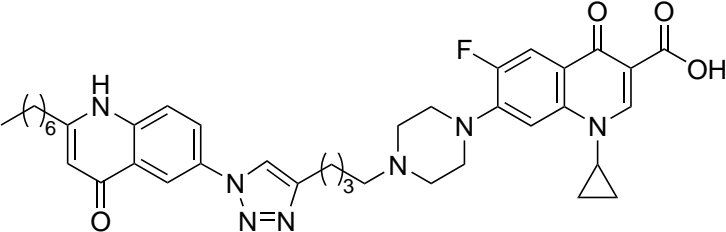


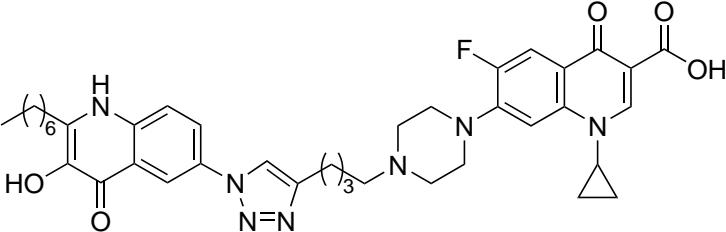


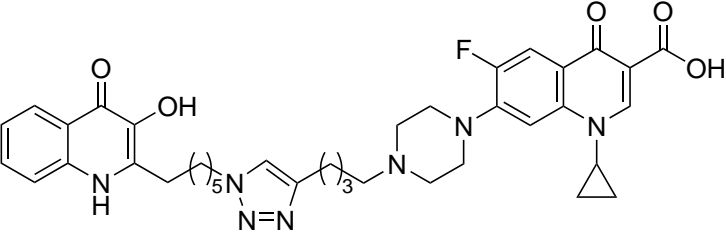


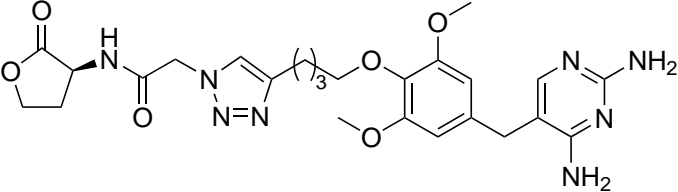


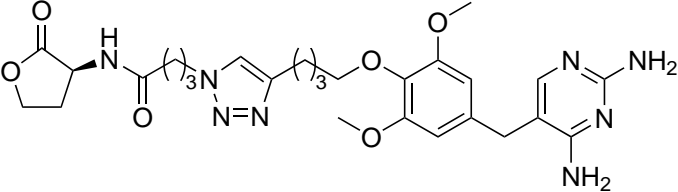


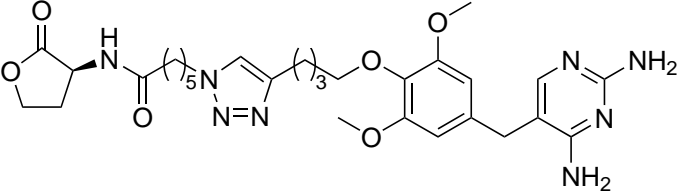


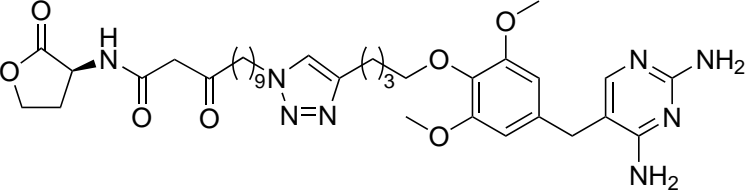


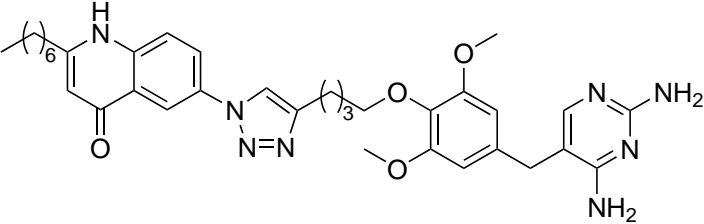


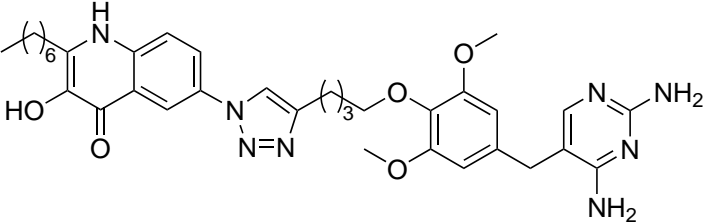


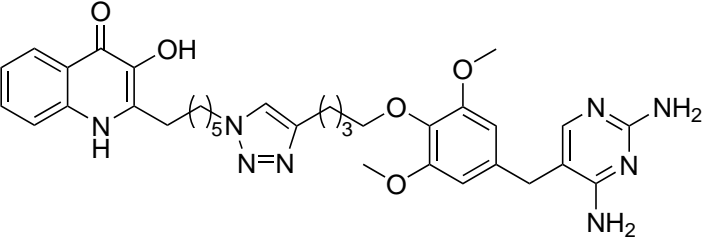


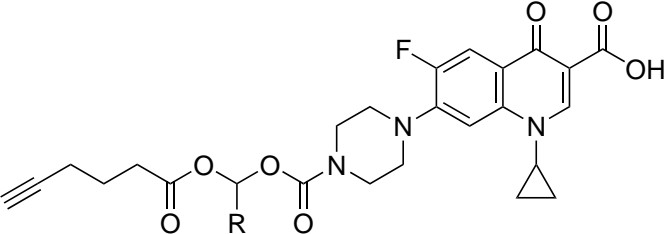






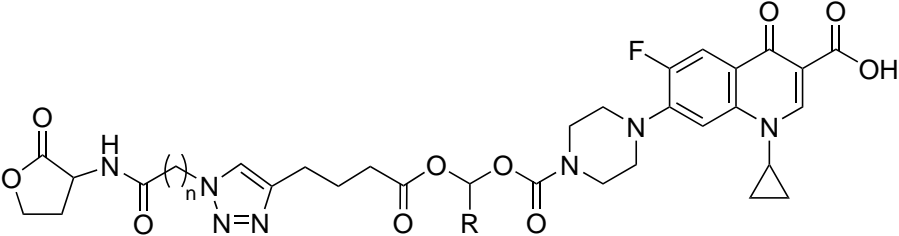






$R = H$ **90**

$R = Me$ **91**



$n = 1, \text{ R} = \text{H}$ **92**

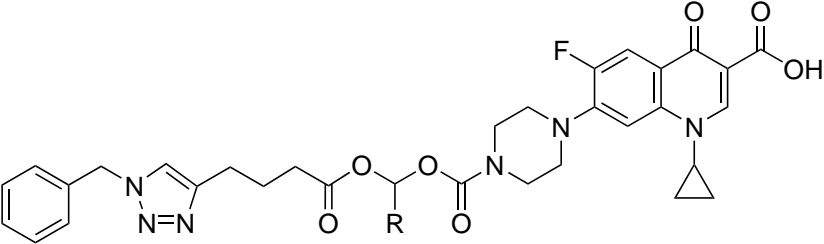
$n = 3, \text{ R} = \text{H}$ **93**

$n = 5, \text{ R} = \text{H}$ **94**

$n = 1, \text{ R} = \text{Me}$ **95**

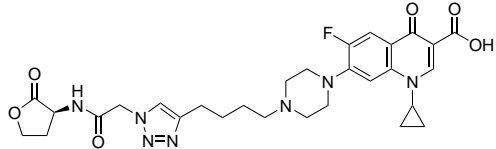
$n = 3, \text{ R} = \text{Me}$ **96**

$n = 5, \text{ R} = \text{Me}$ **97**

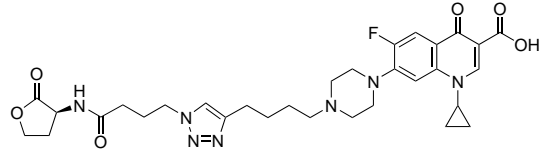


$\text{R} = \text{H}$ **98**

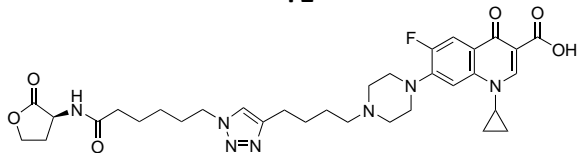
$\text{R} = \text{Me}$ **99**



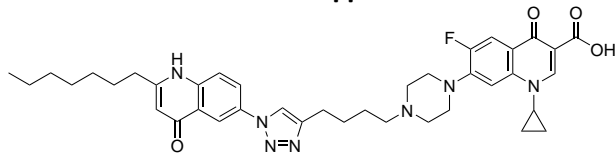
72



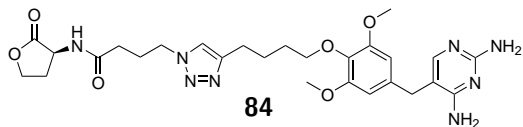
77



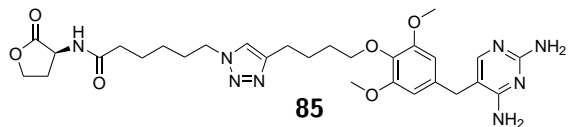
78



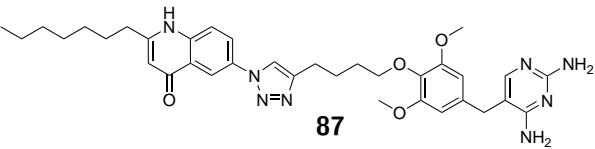
80



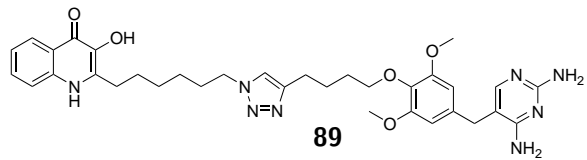
84



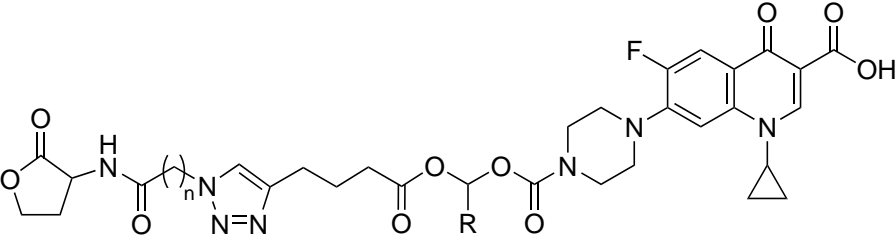
85



87



89



$n = 1$, R = H **92**

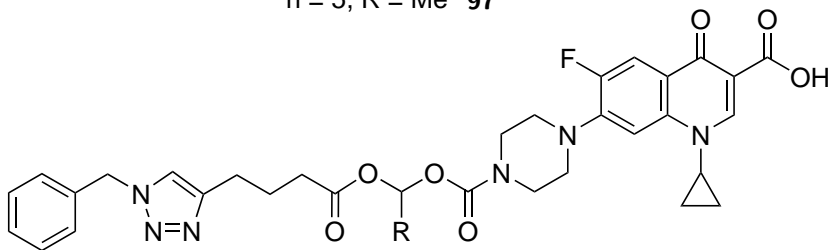
$n = 3$, R = H **93**

$n = 5$, R = H **94**

$n = 1$, R = Me **95**

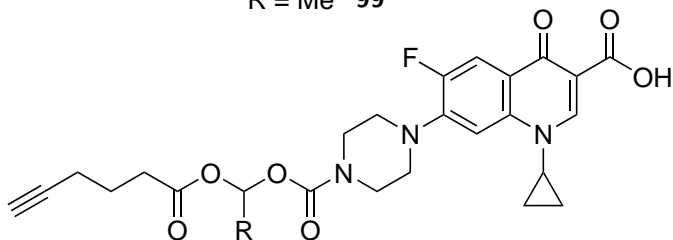
$n = 3$, R = Me **96**

$n = 5$, R = Me **97**



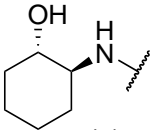
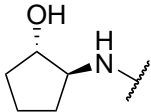
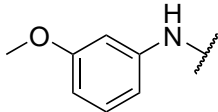
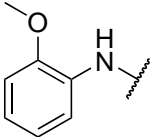
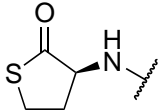
R = H **98**

R = Me **99**

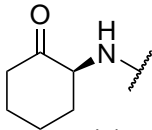


R = H **90**

R = Me **91**

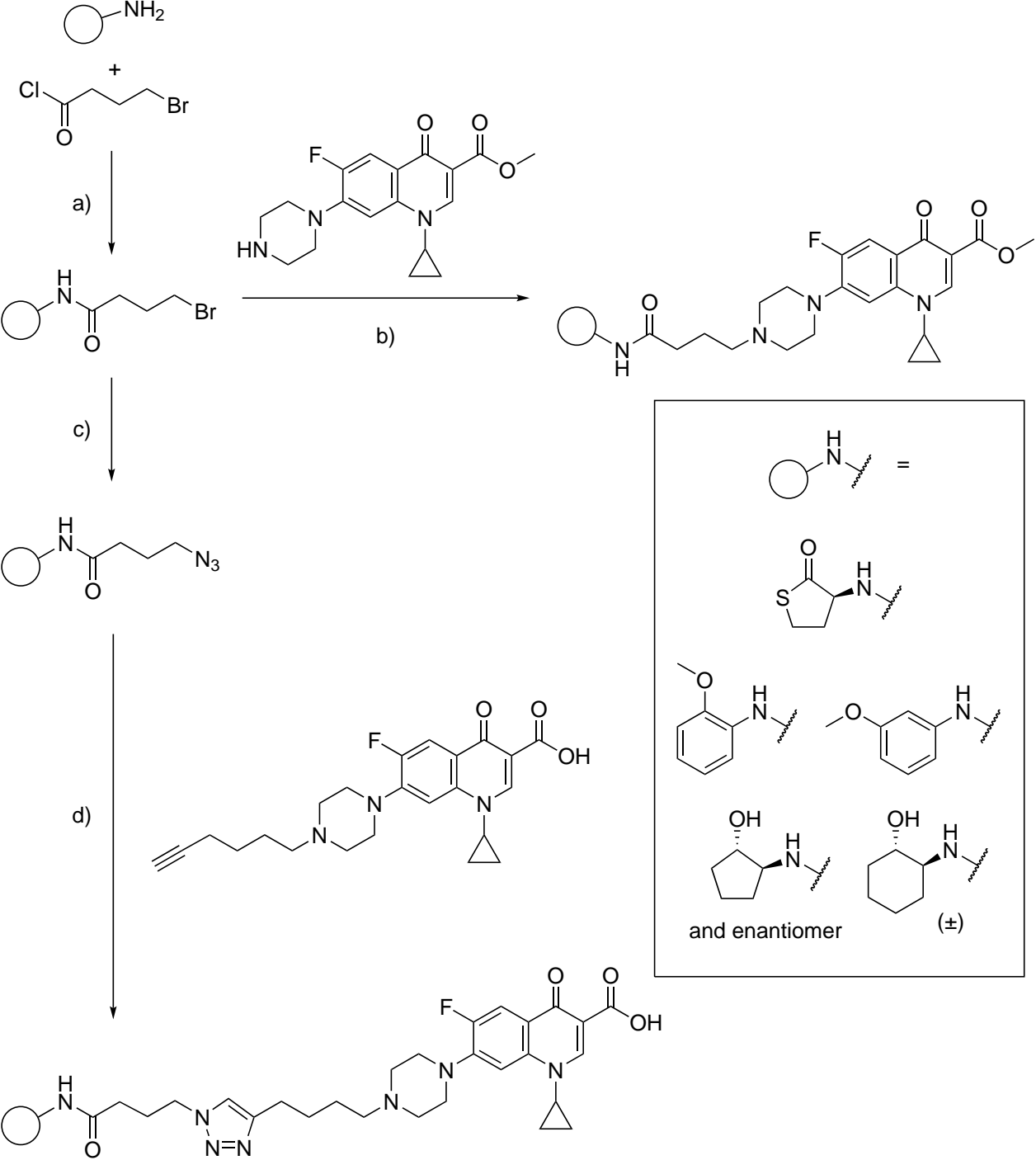


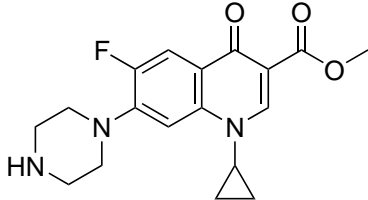
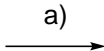
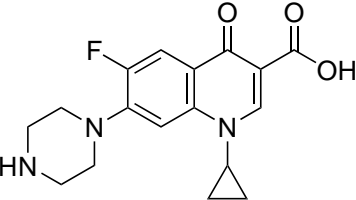
(±)

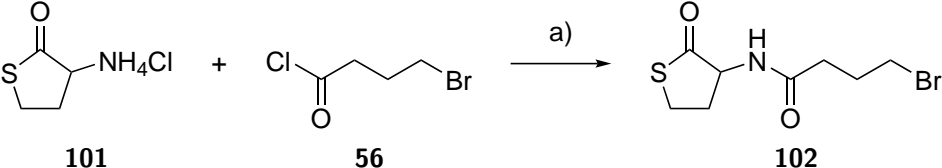


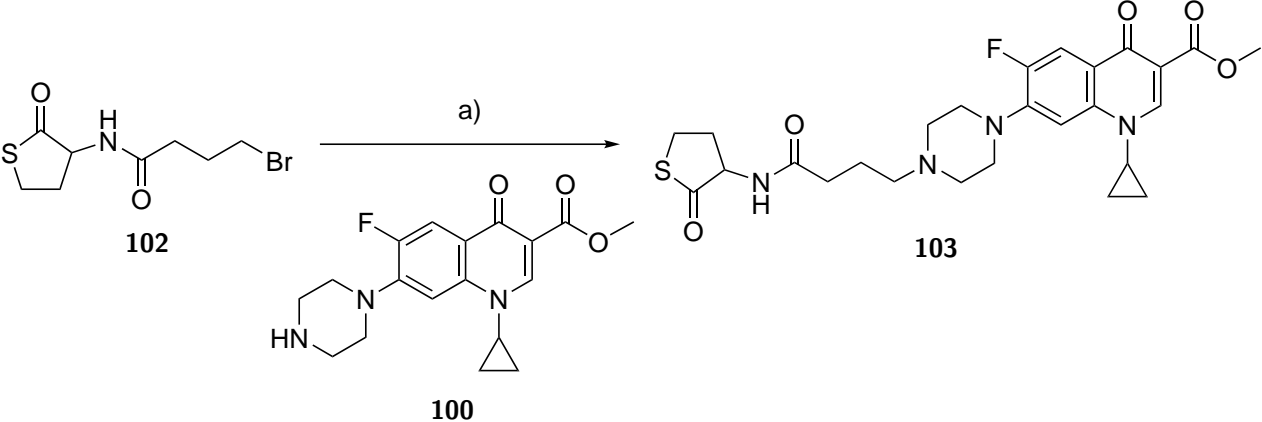
(±)

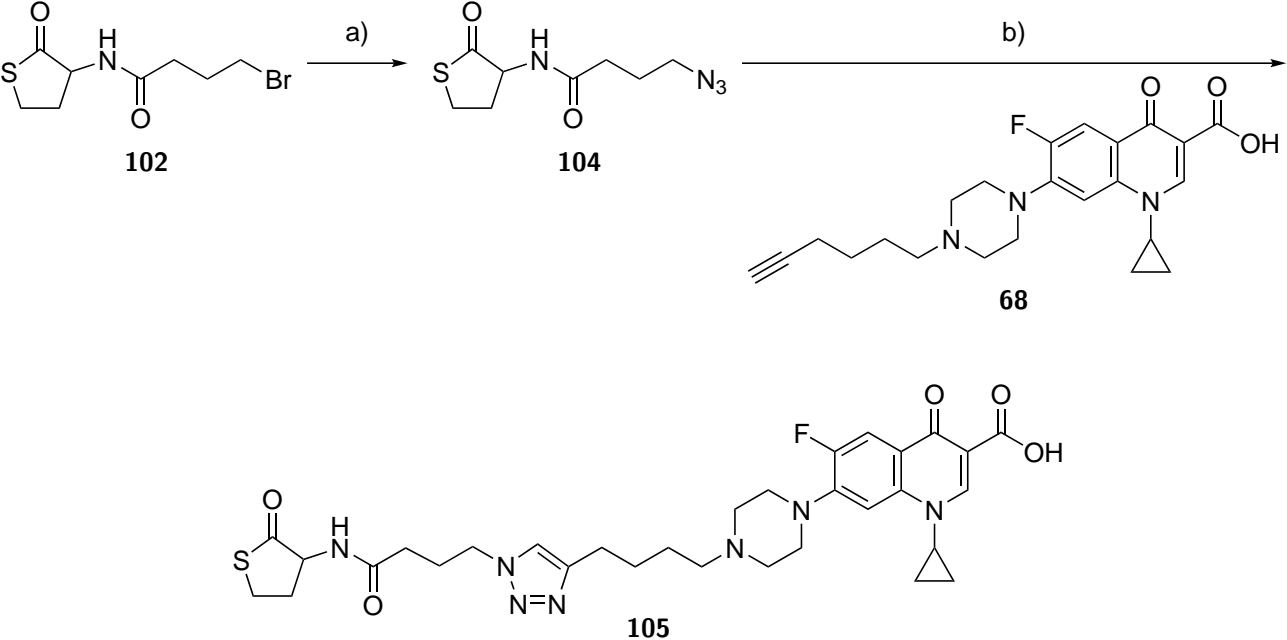
and enantiomer

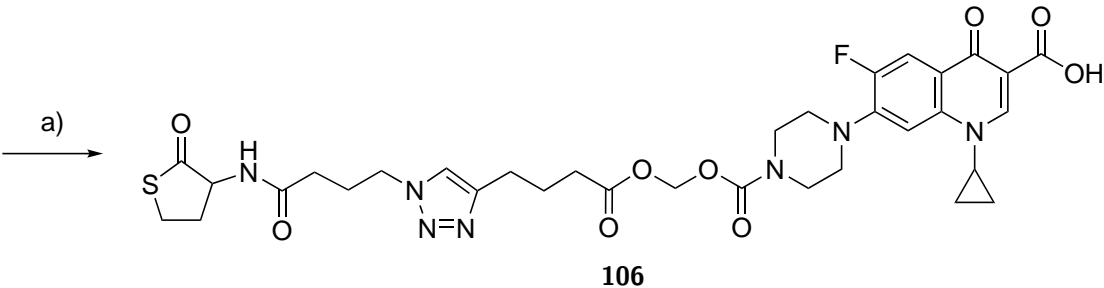
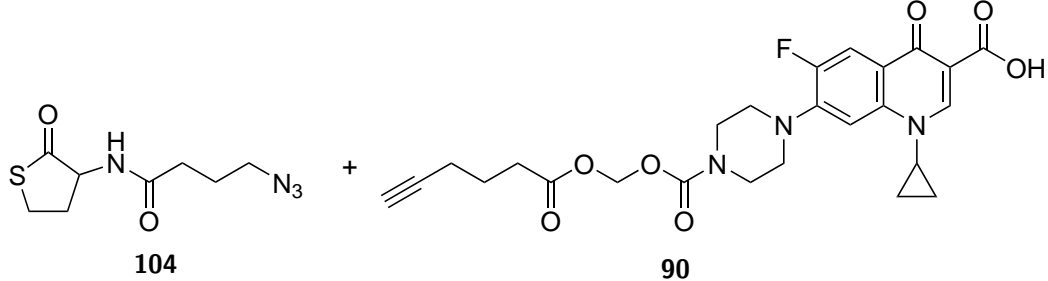


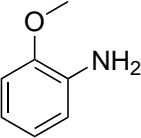






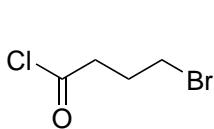






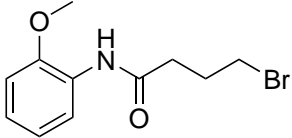
107

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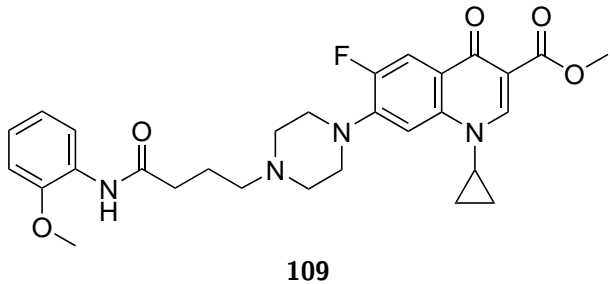
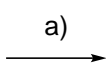
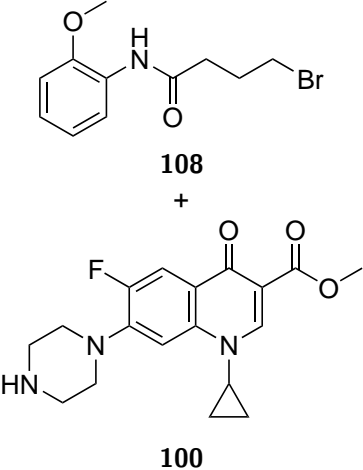


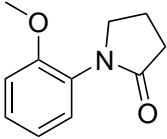
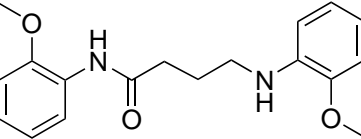
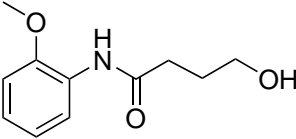
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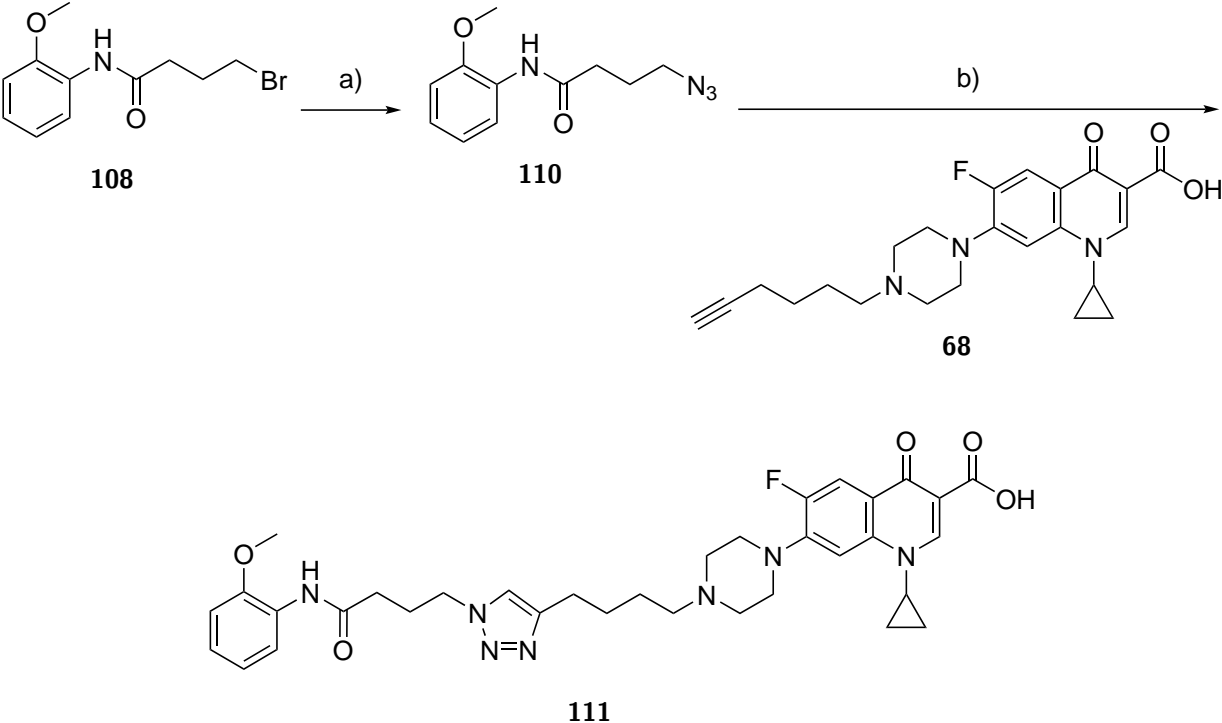
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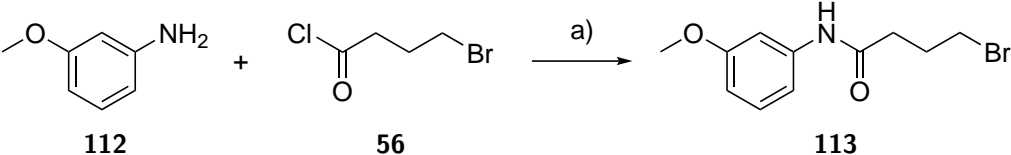


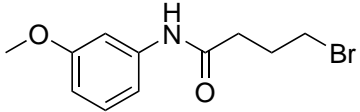
108





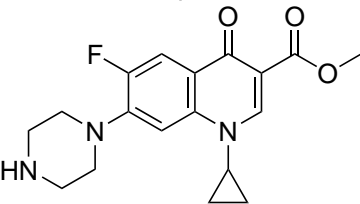




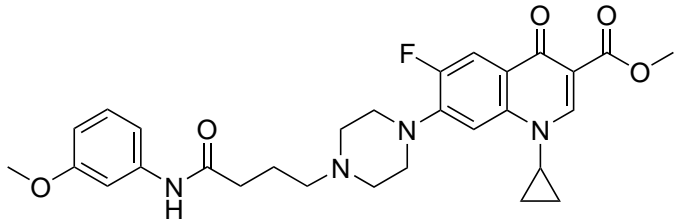
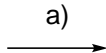


113

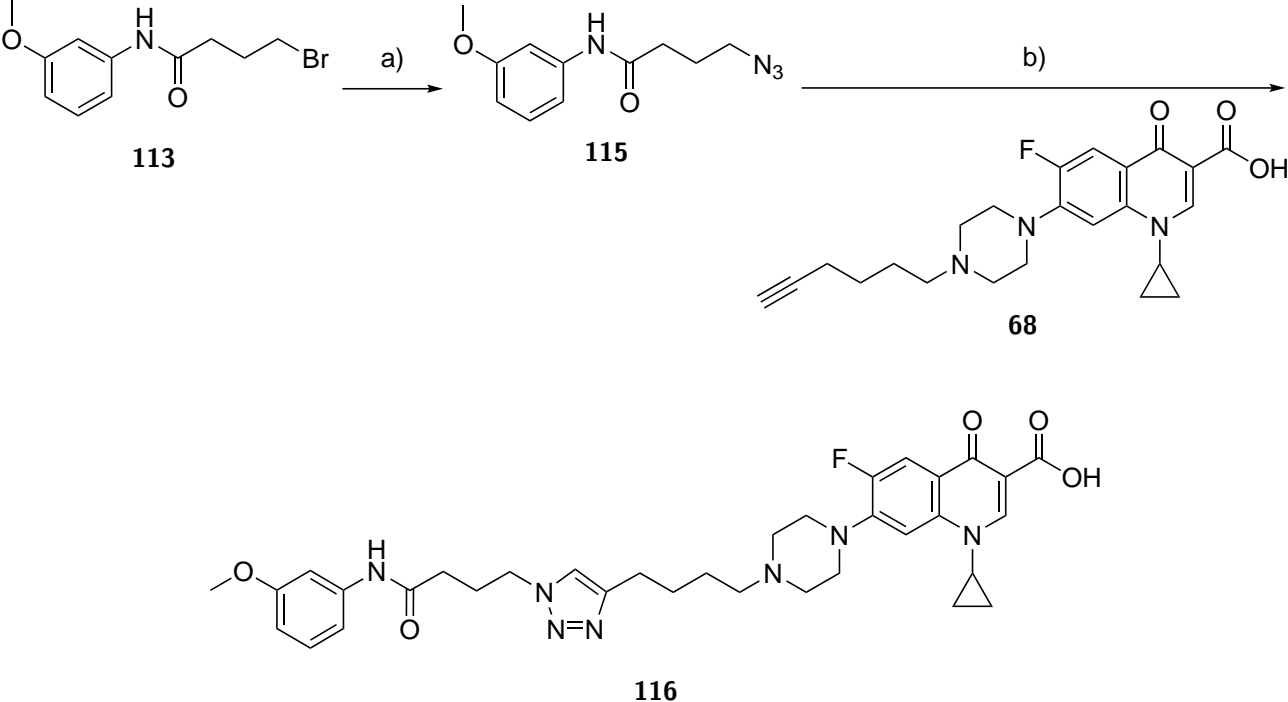
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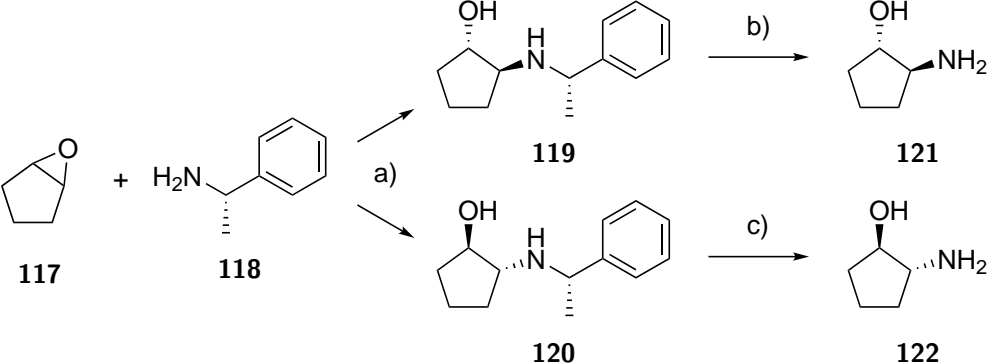


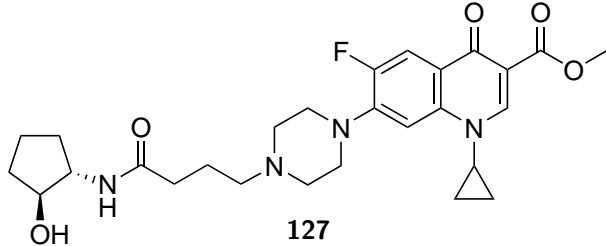
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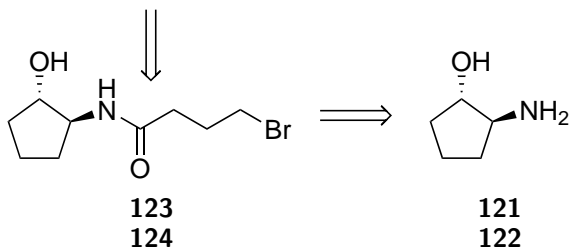
114





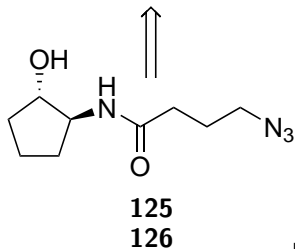


127
128

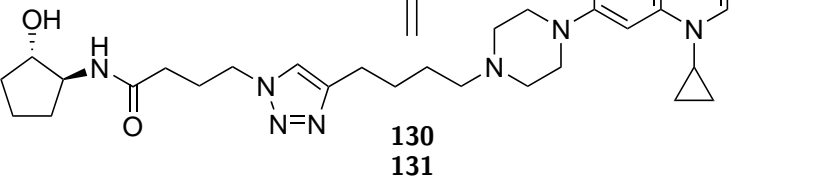


123
124

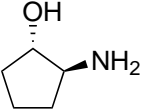
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122



125
126

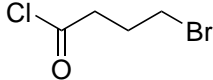


130
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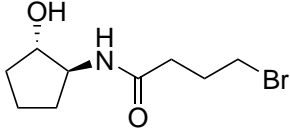
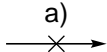


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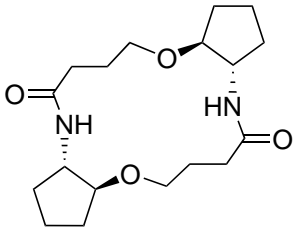
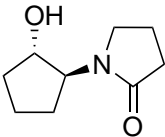
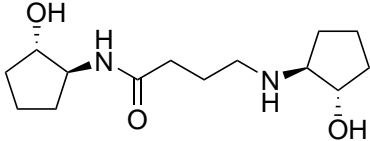
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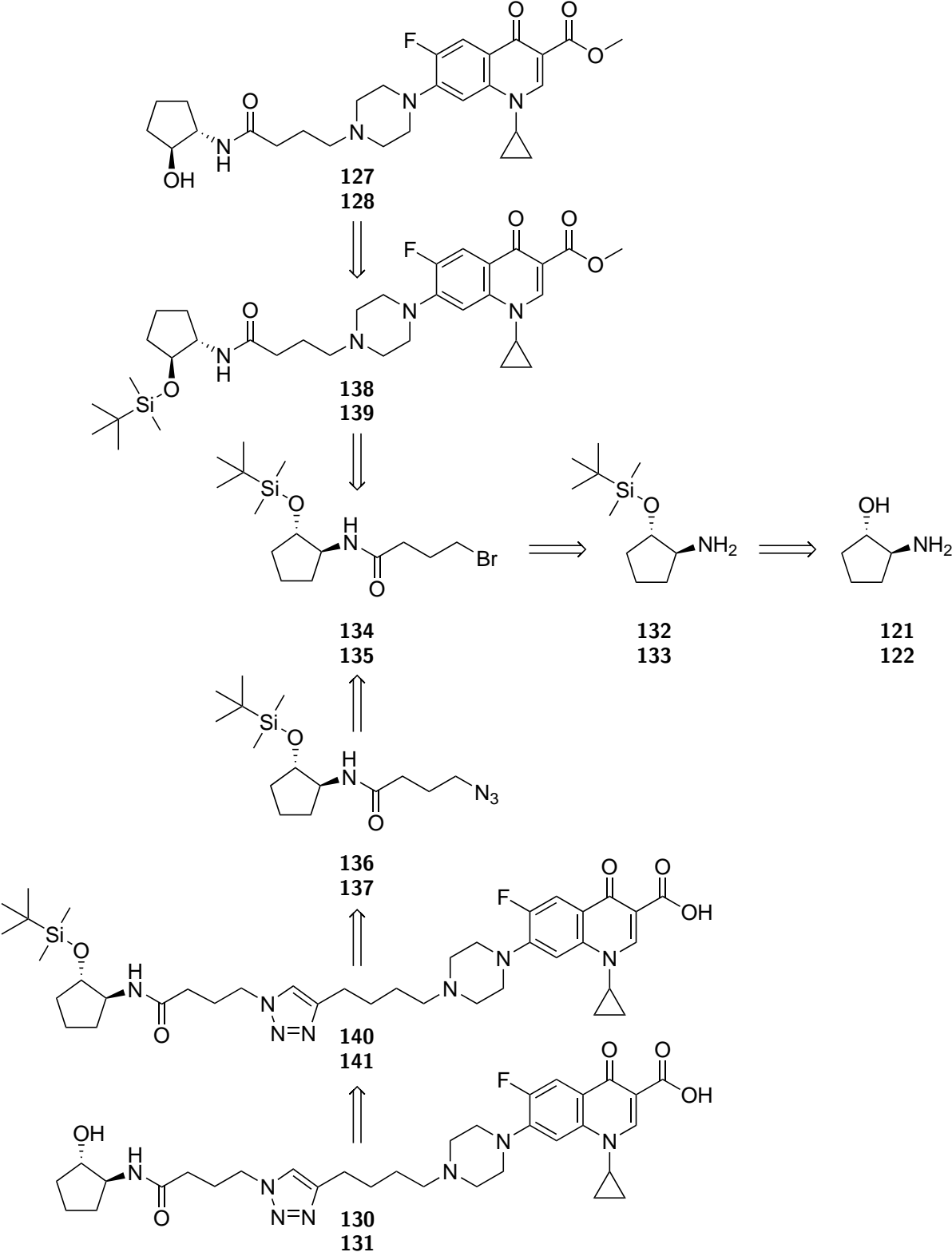


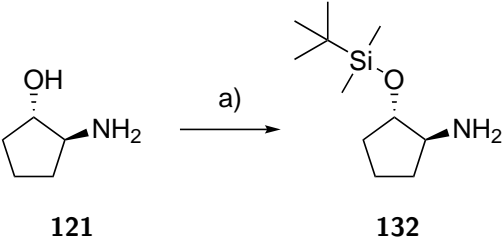
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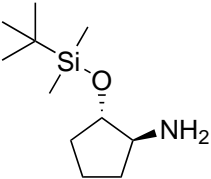


123



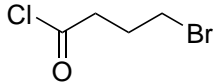




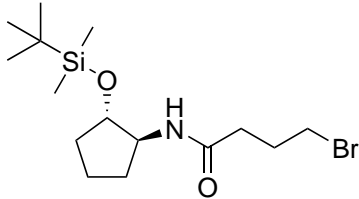
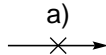


132

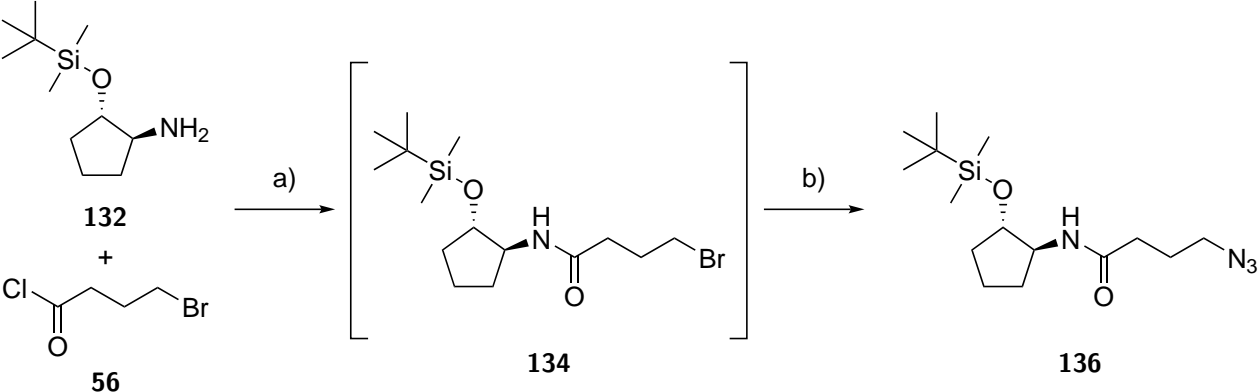
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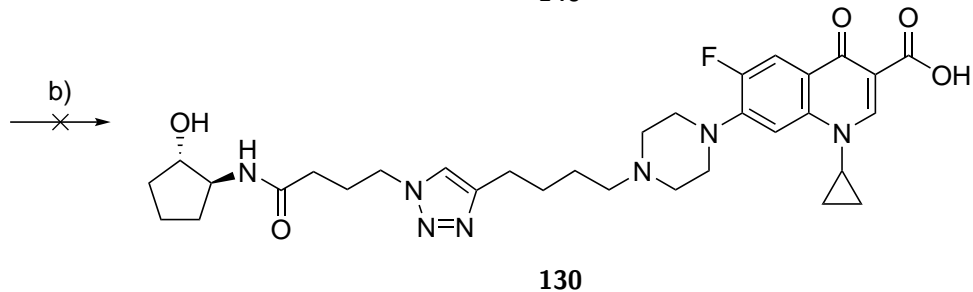
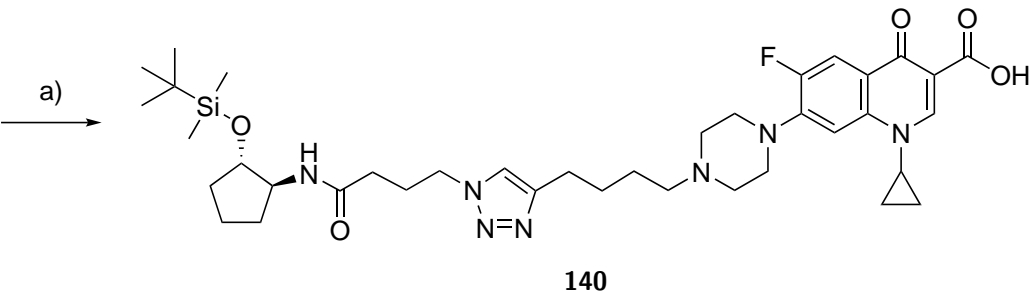
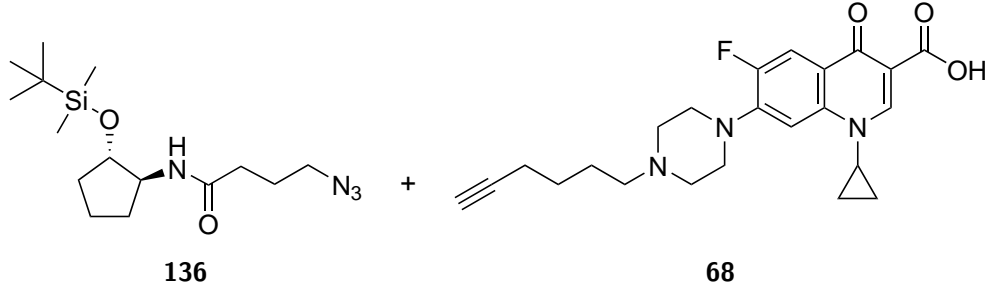


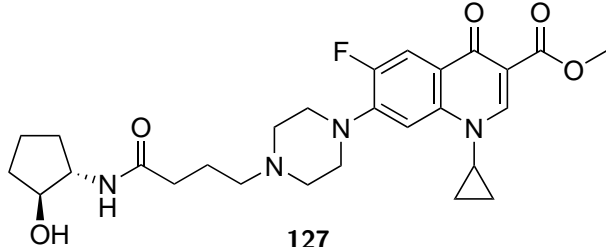
56



134

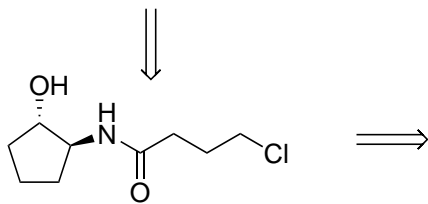






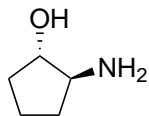
127

128



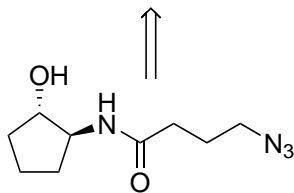
143

144



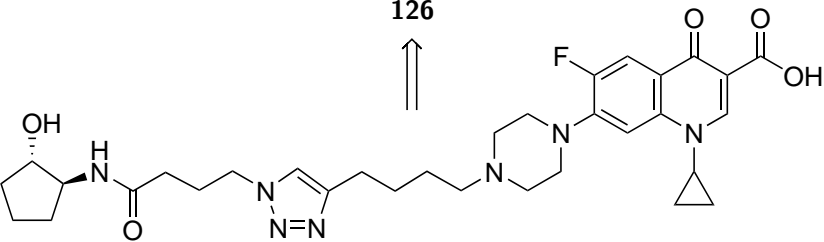
121

122



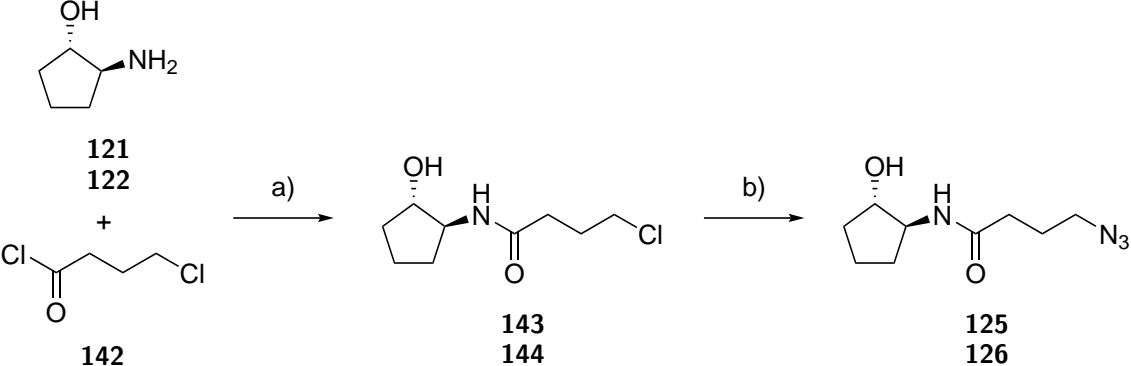
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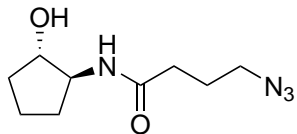
126



130

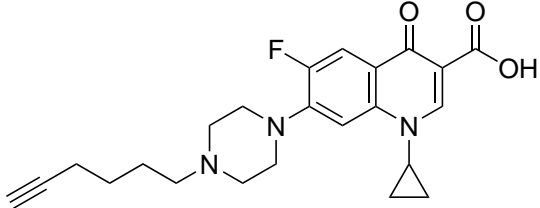
131





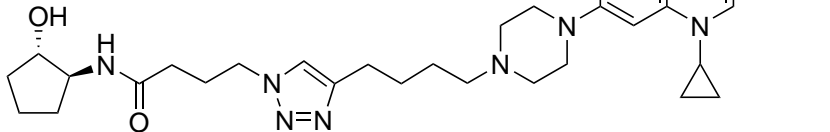
125
126

+

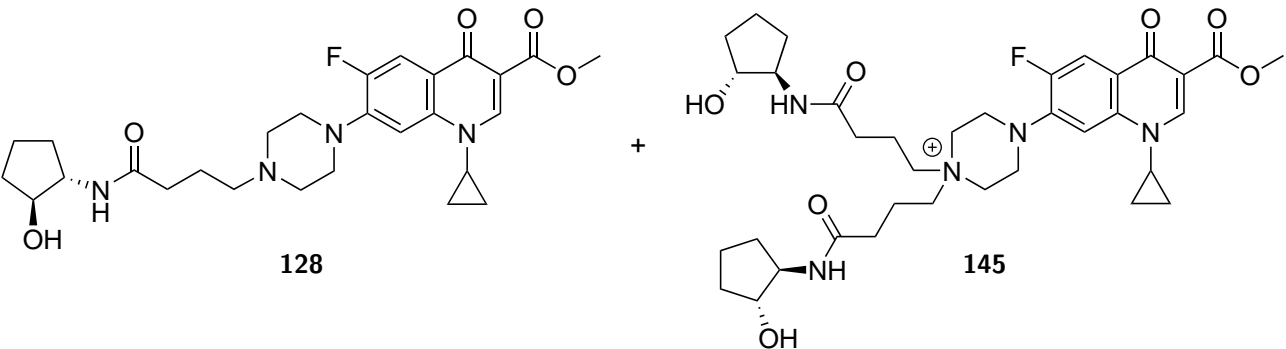
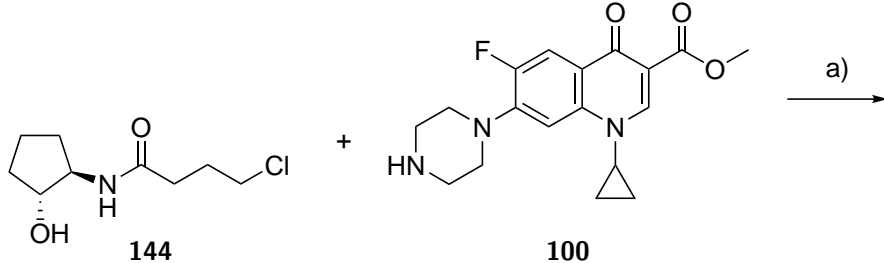


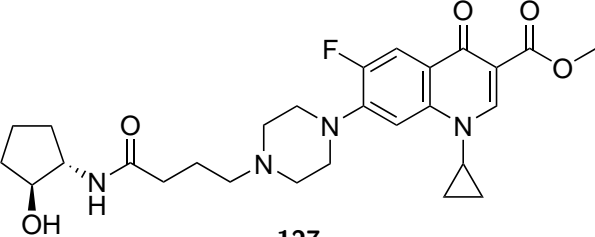
68

a)

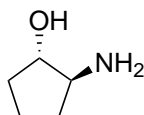


130
131



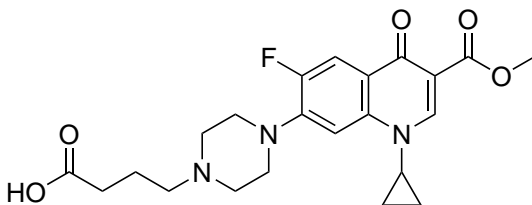


127
128

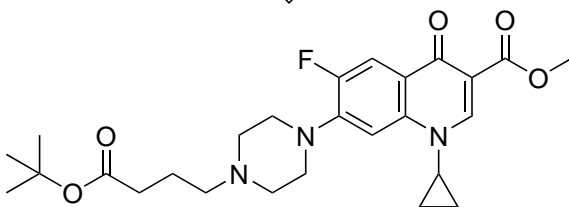


121
122

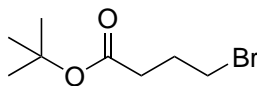
+



148

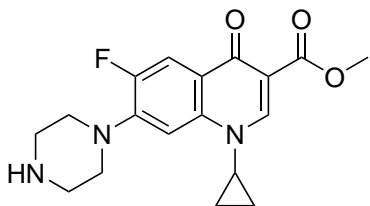


147

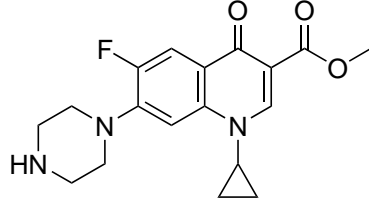


146

+

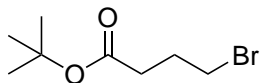


100



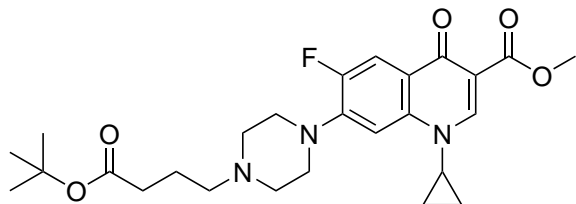
100

+



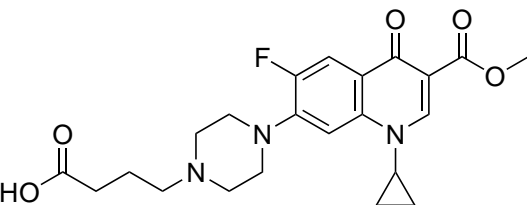
146

a)



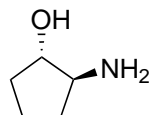
147

b)



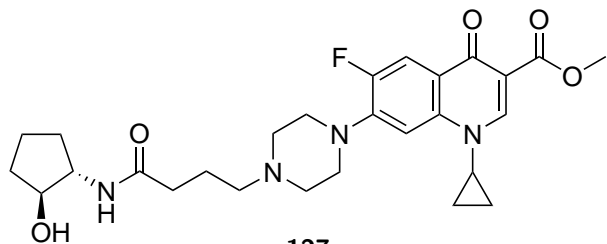
148

c)



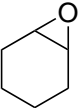
121

122

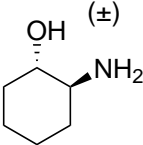
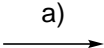


127

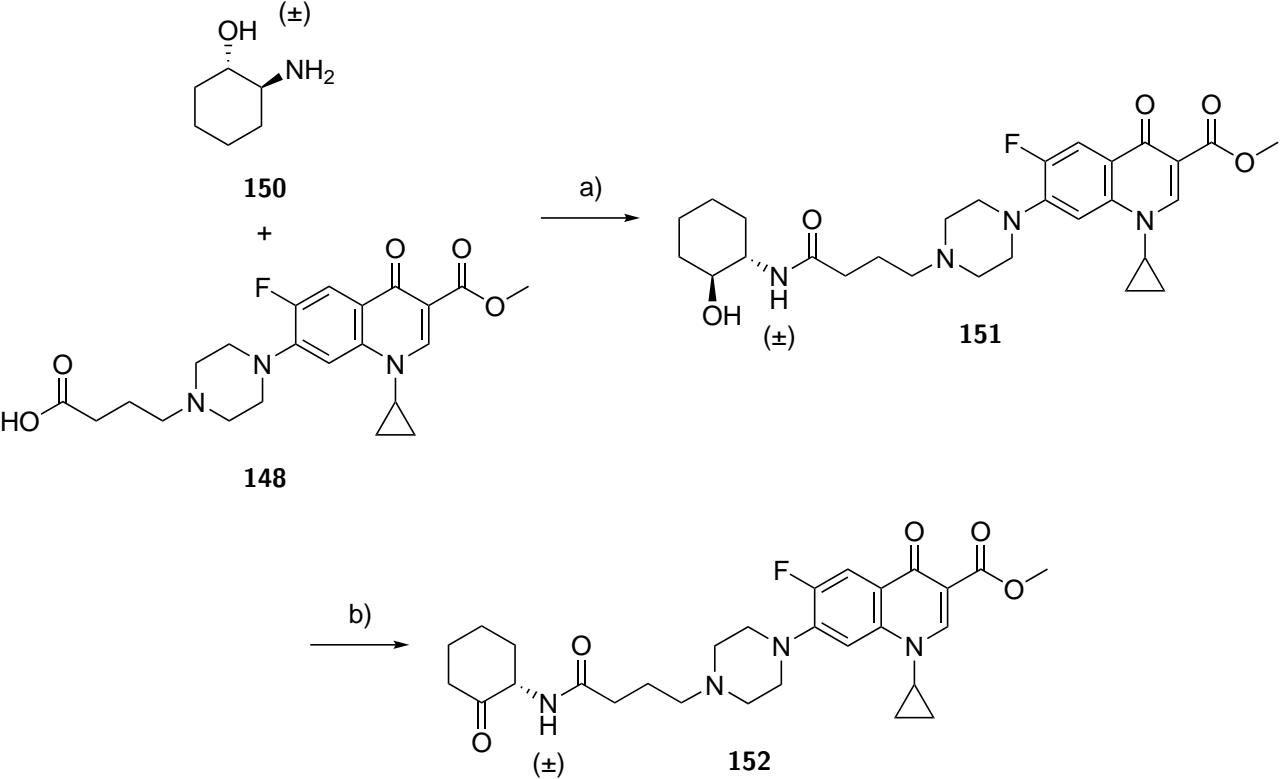
128

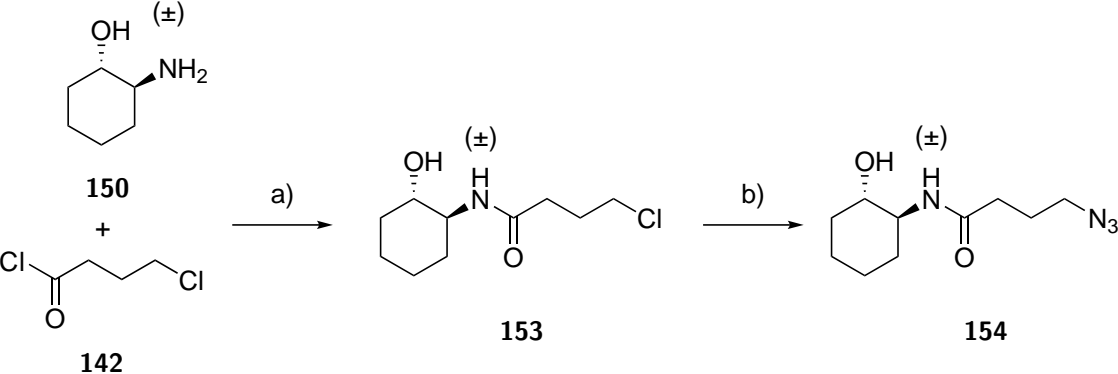


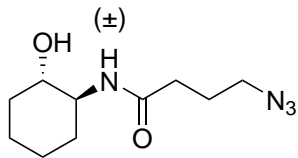
149



150

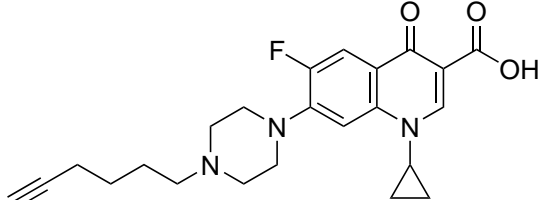




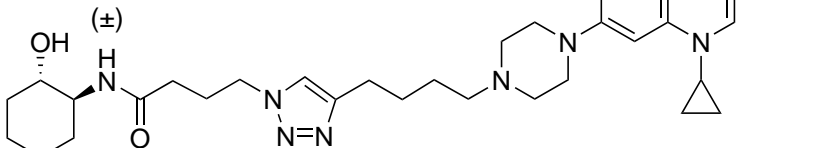
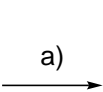


154

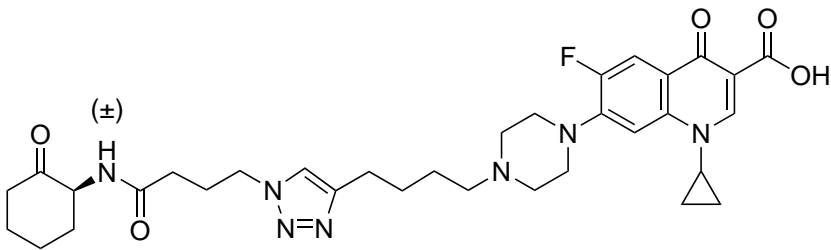
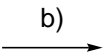
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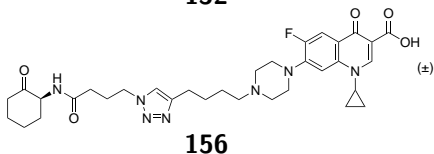
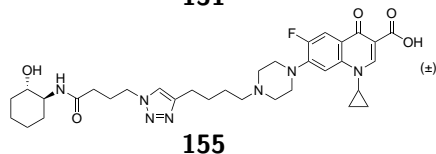
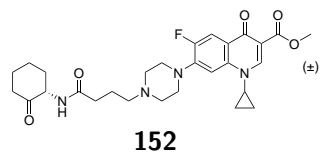
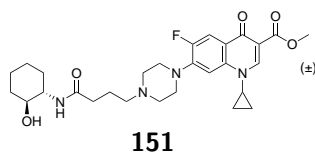
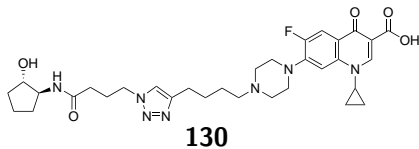
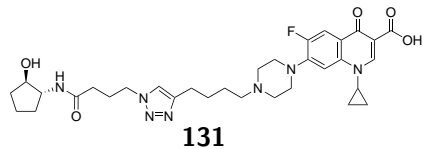
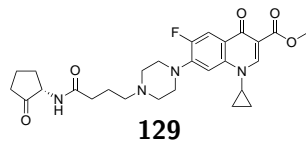
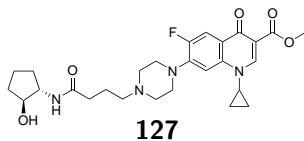
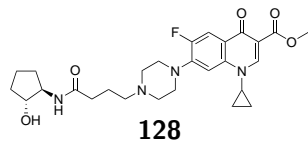
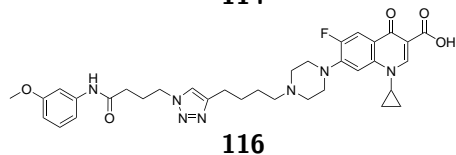
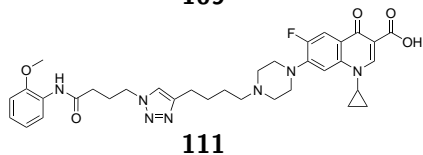
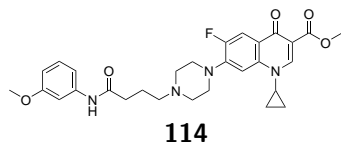
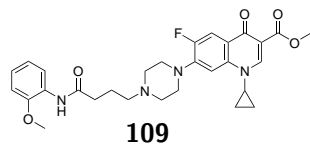
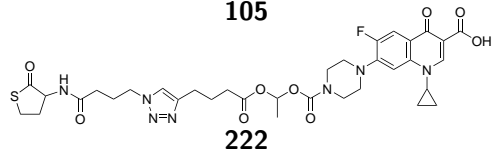
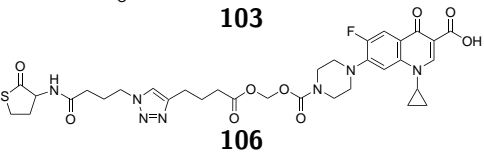
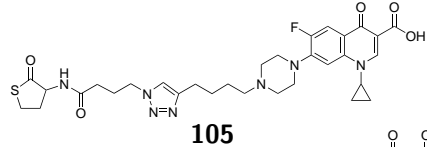
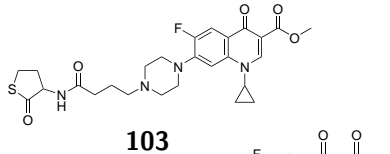
68

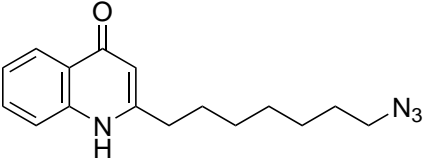


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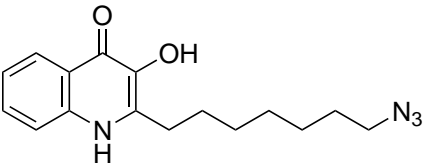


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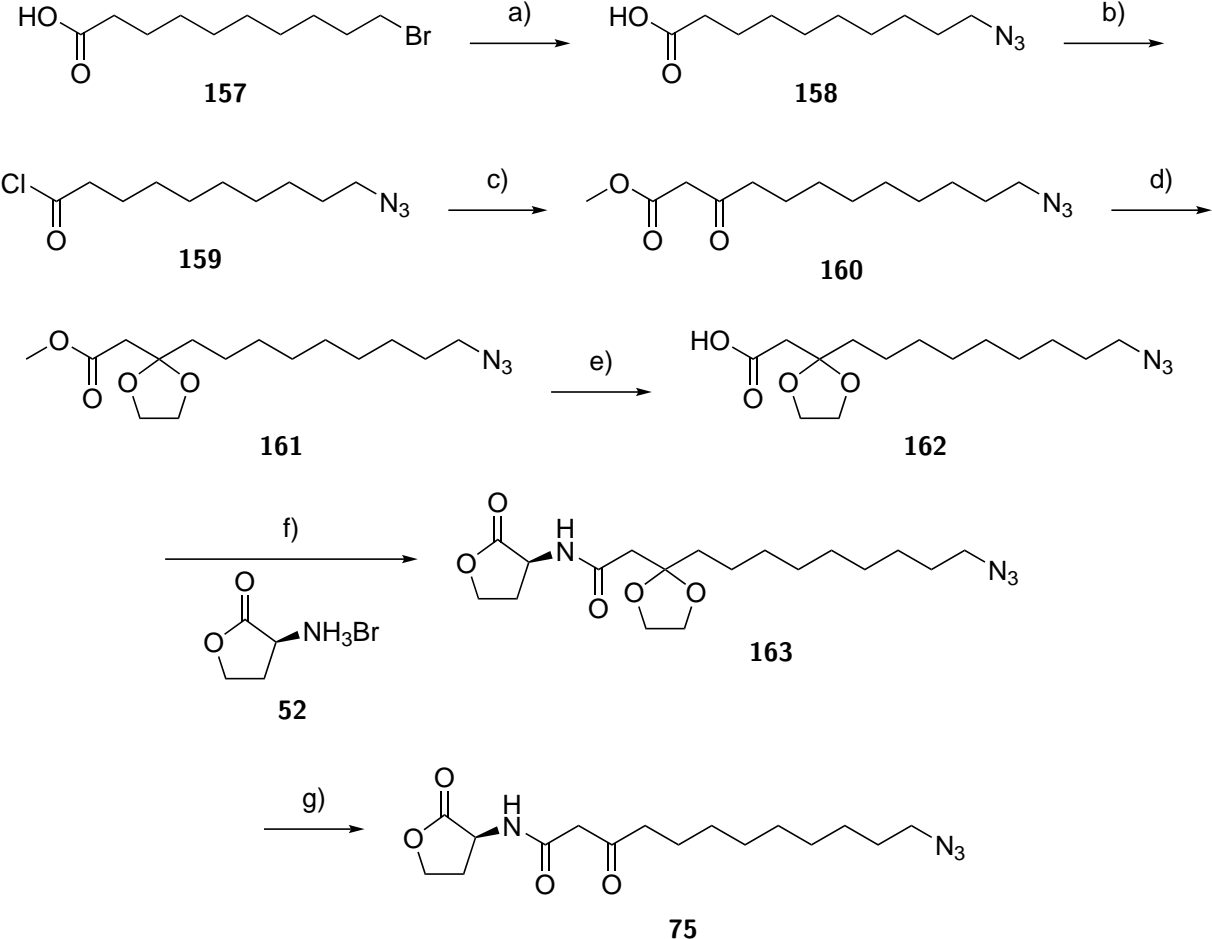


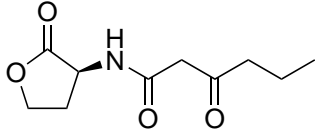


29



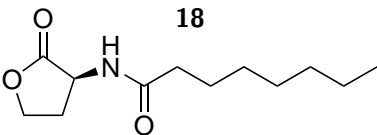
30





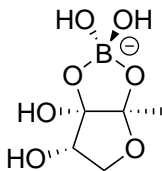
3-oxo-C₆-HSL

18



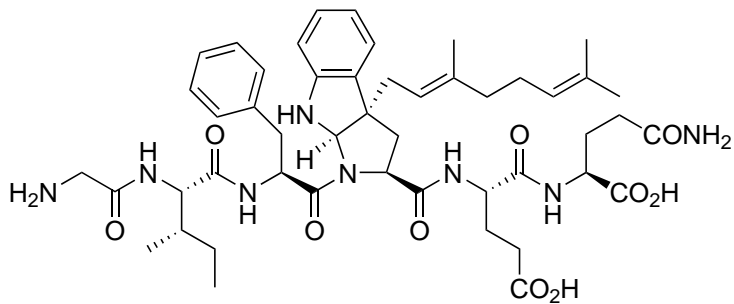
C₈-HSL

164



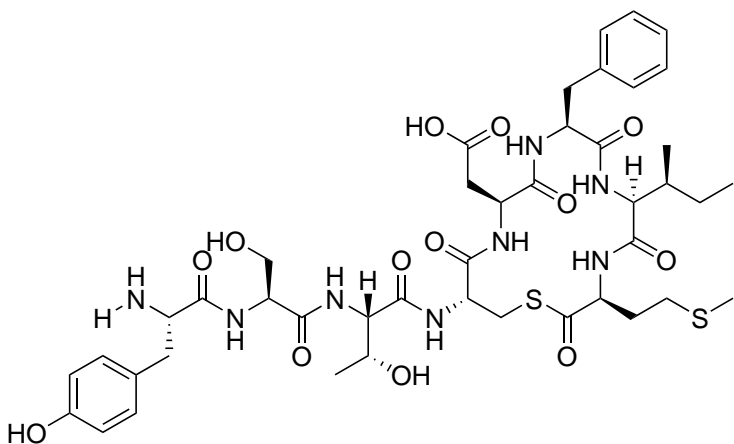
Al-2

23



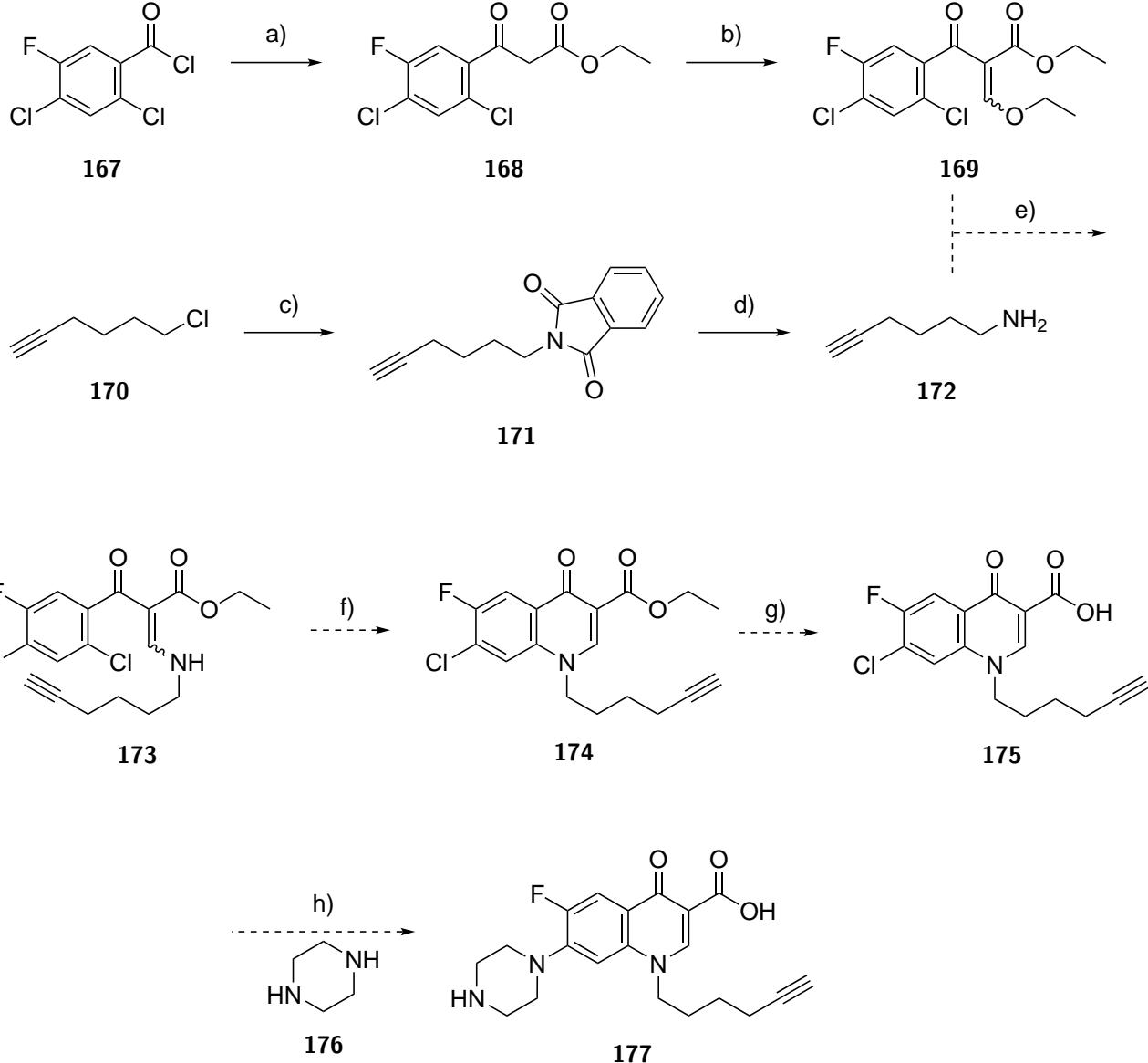
ComX

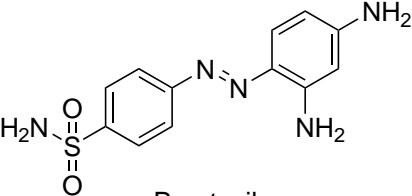
165



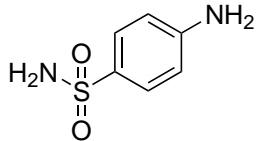
AIP

166

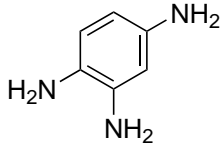




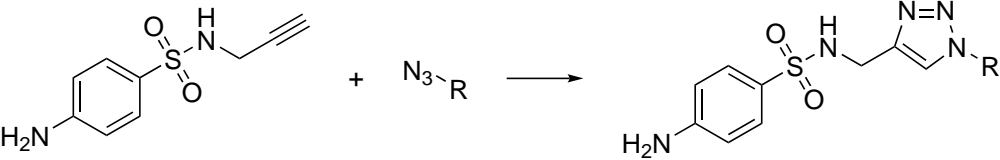
Prontosil
178

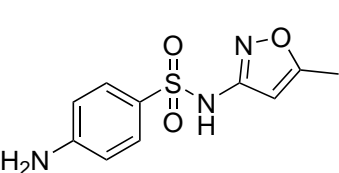


Sulfanilamide
179

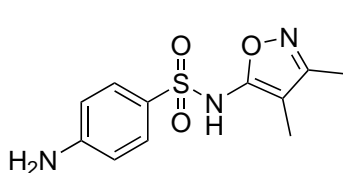


1,2,4-triaminobenzene
180

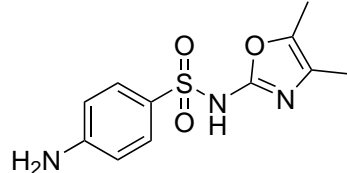




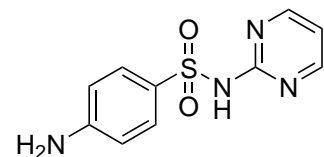
Sulfamethoxazole



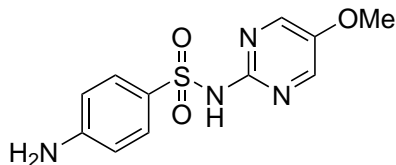
Sulfafurazole



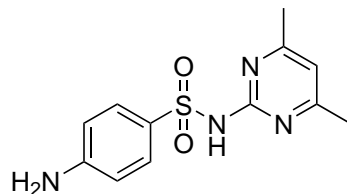
Sulfamoxole



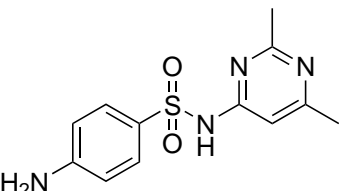
Sulfadiazine



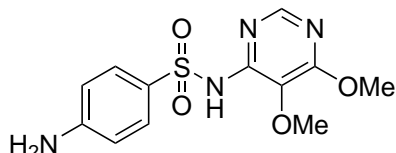
Sulfametoxydiazine



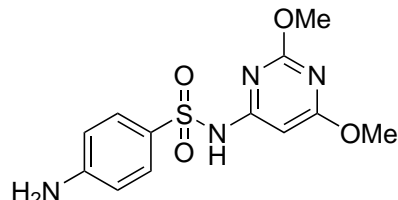
Sulfadimidine



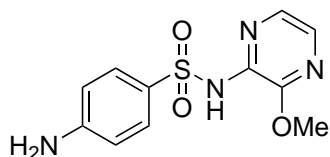
Sulfisomidine



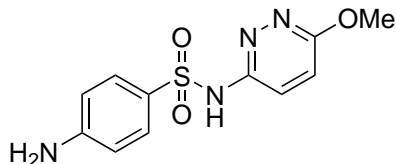
Sulfadoxine



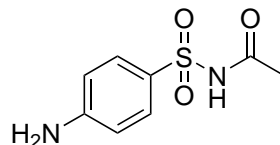
Sulfadoxine



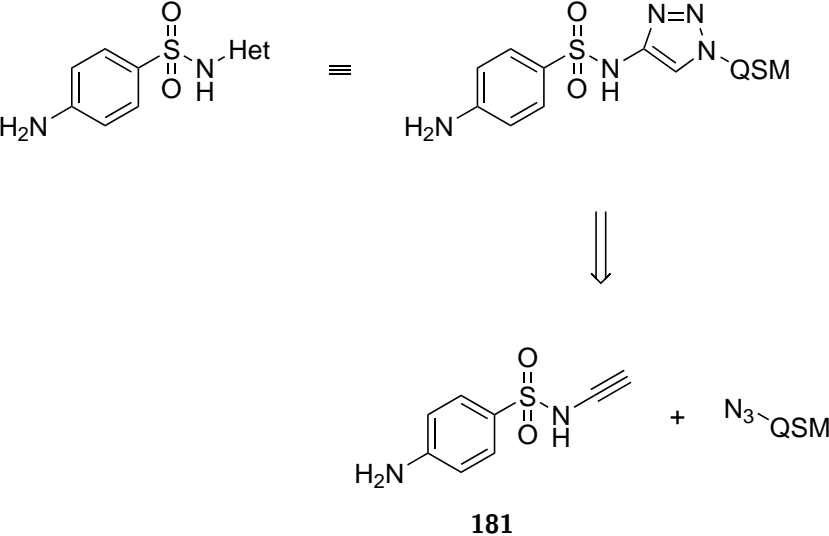
Sulfalene

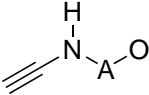


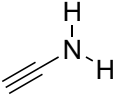
Sulfadoxine

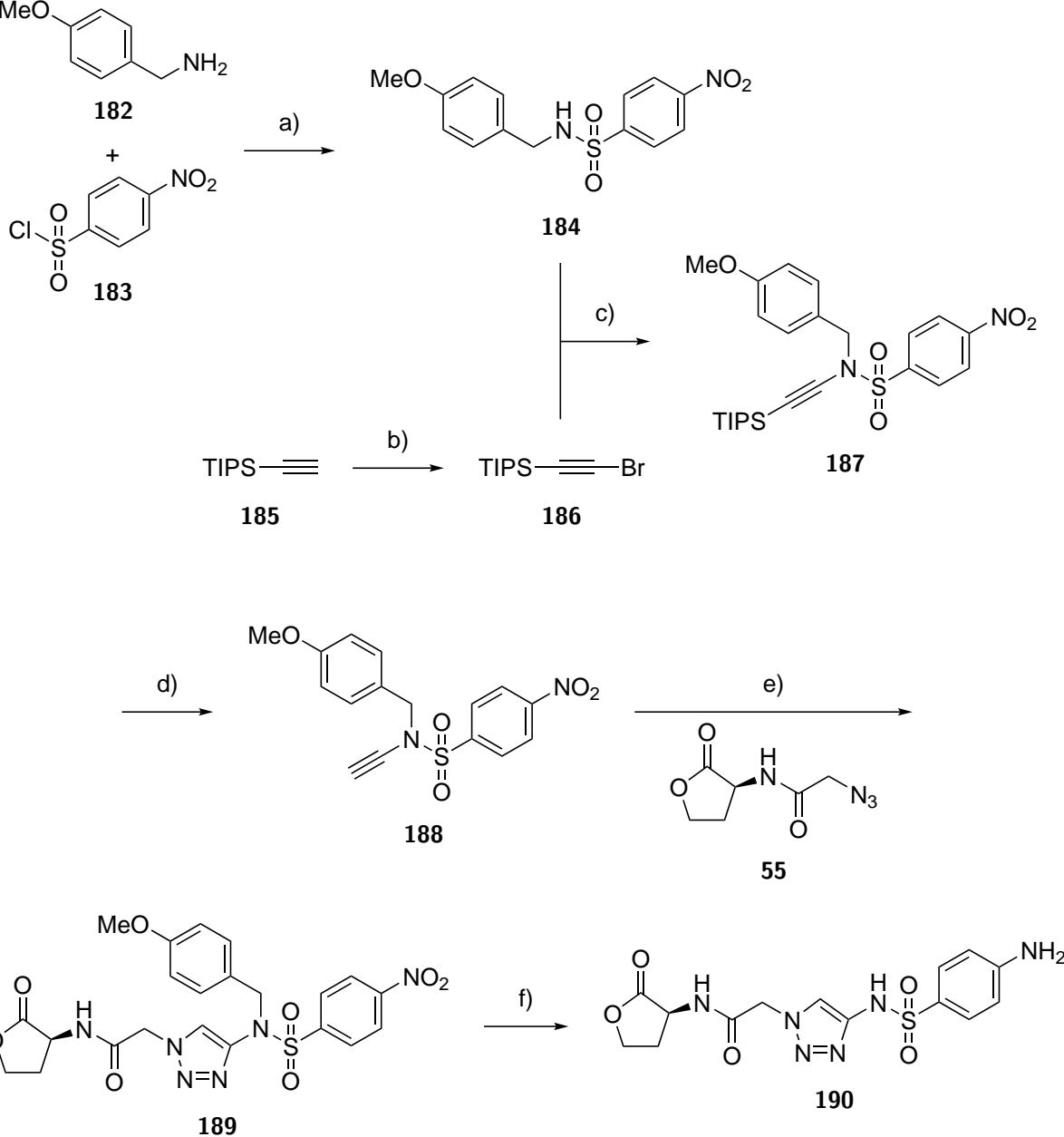


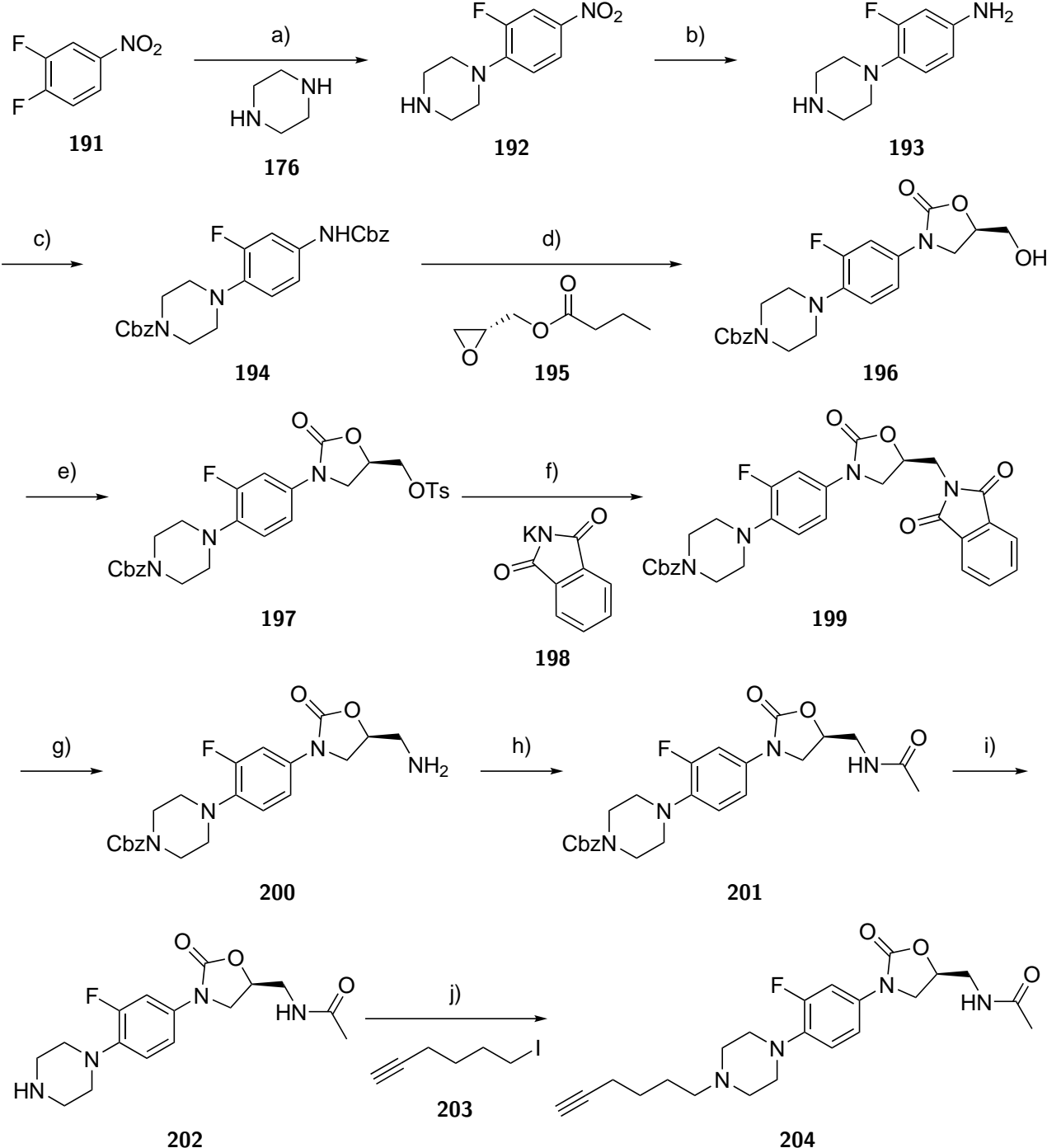
Sulfacetamide

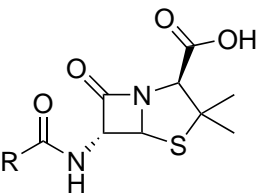




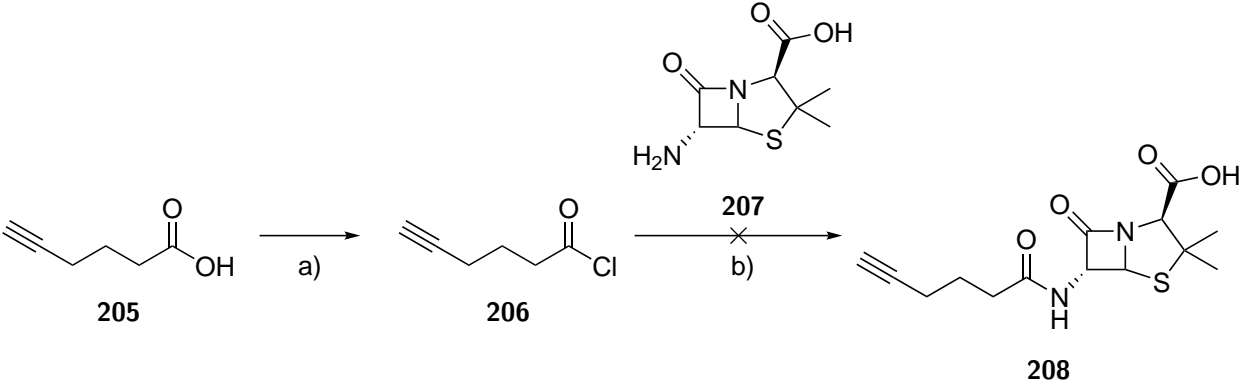


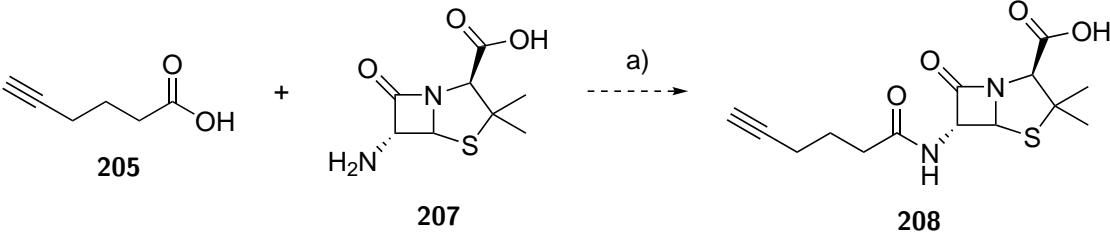


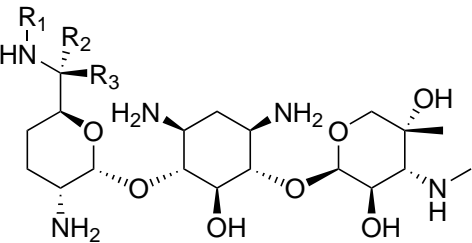




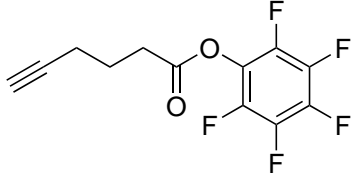
Name	R
Penicillin G	
Penicillin V	
Ampicillin	
Amoxicillin	
Methicillin	





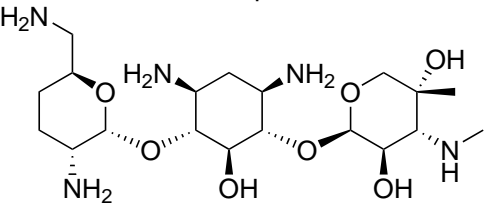


Gentamicin	R_1	R_2	R_3
C1	Me	Me	H
C1a	H	H	H
C2	H	Me	H
C2a	H	H	Me
C2b	Me	H	H

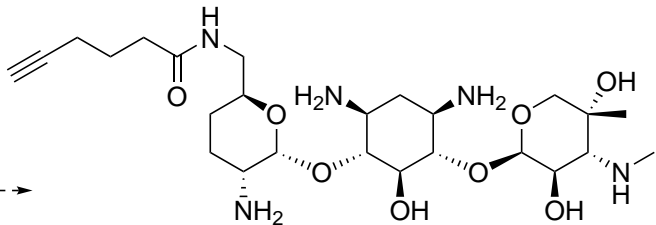
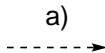


209

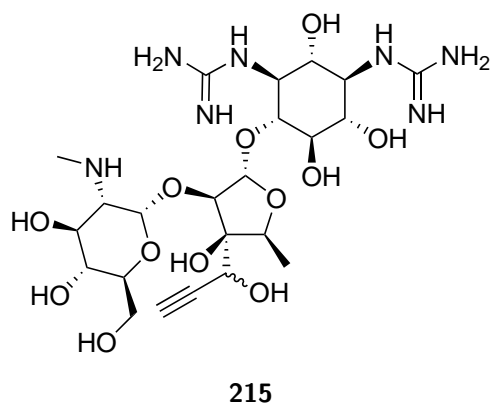
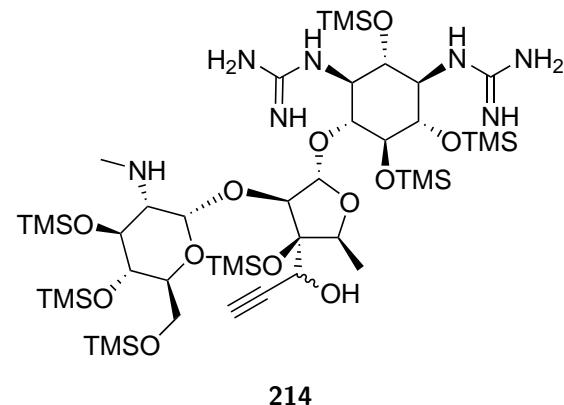
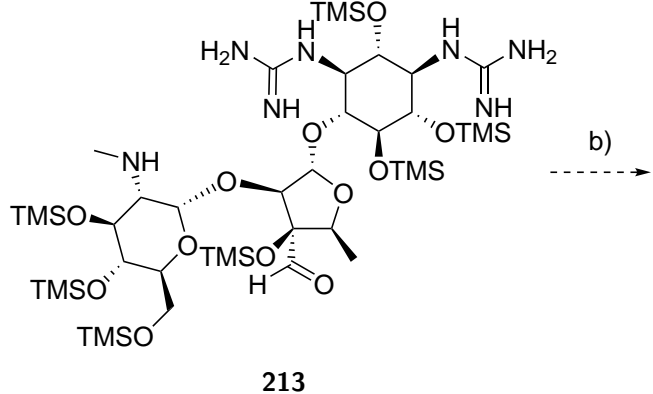
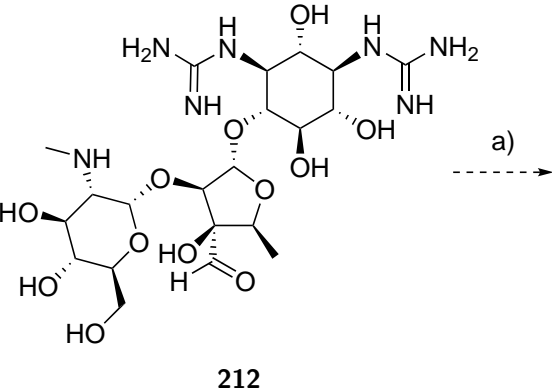
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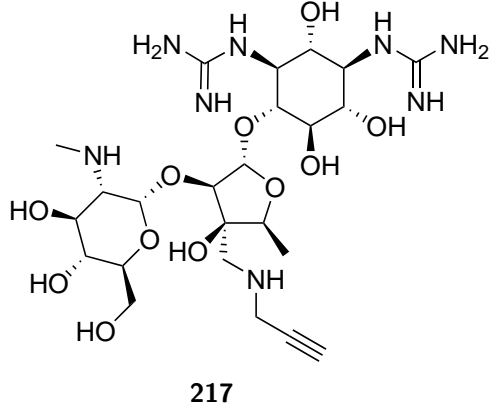
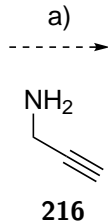
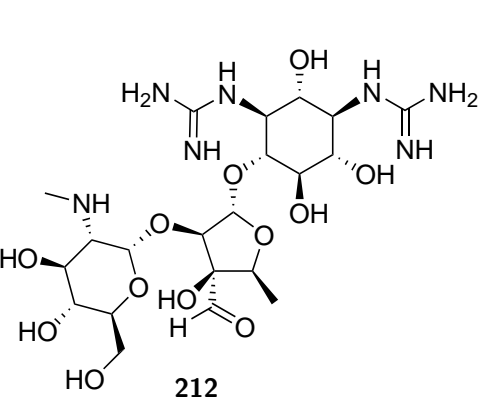


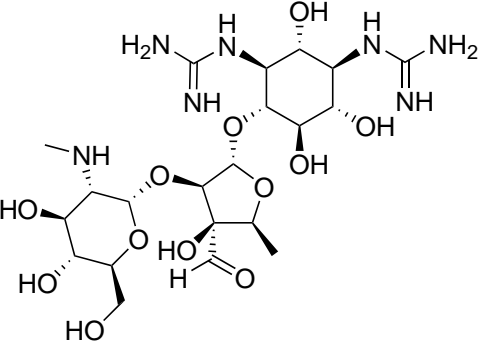
210



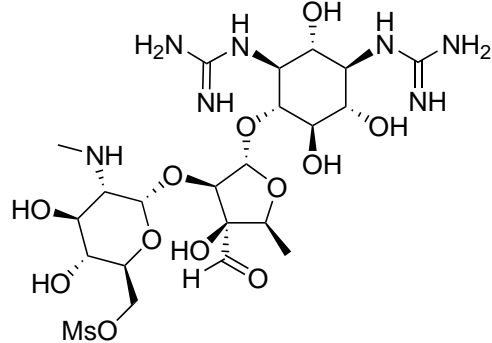
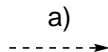
211



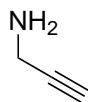
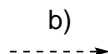




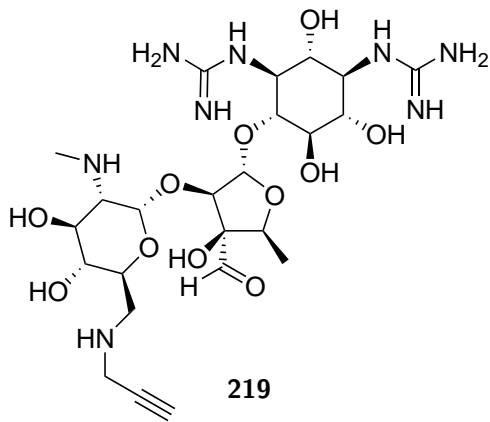
212



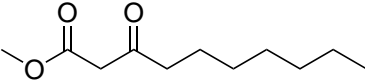
218



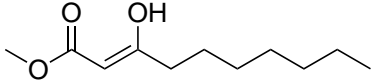
216



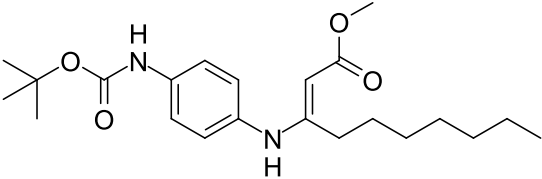
219

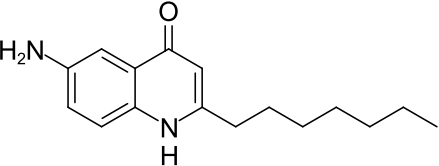


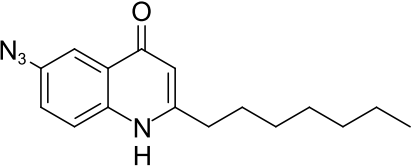
33
92 %

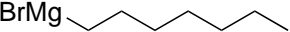


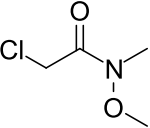
34
8 %

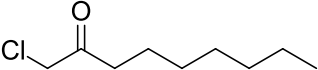


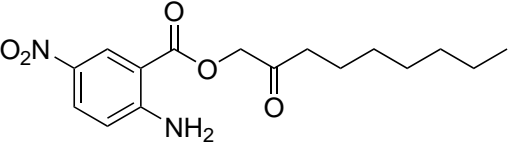


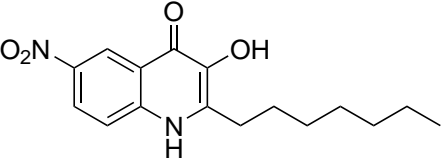


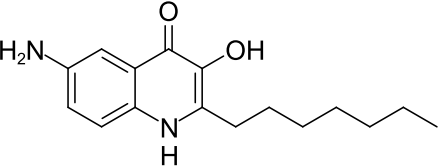


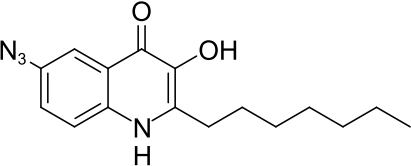


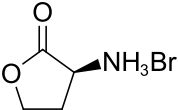


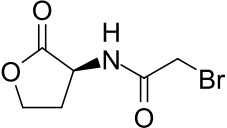


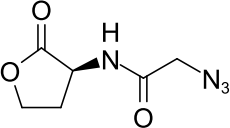


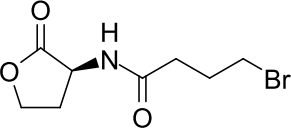


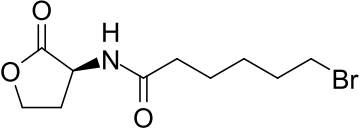


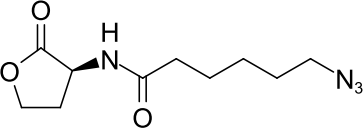


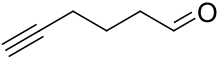


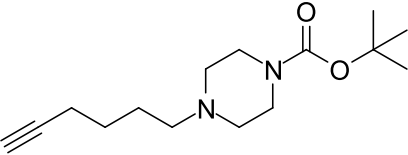


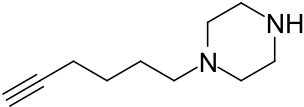


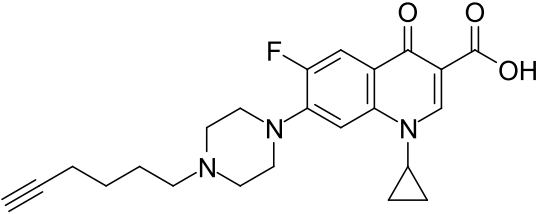


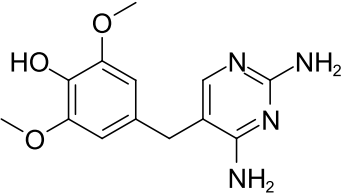


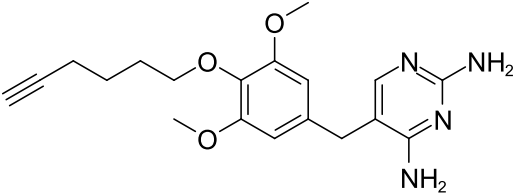


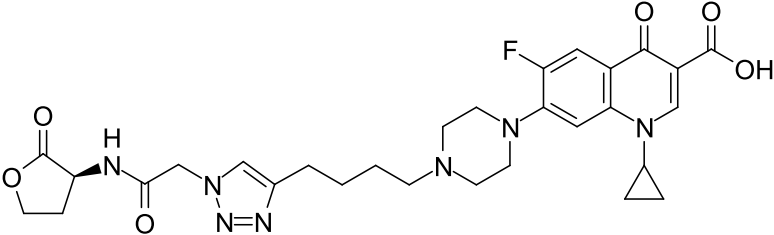


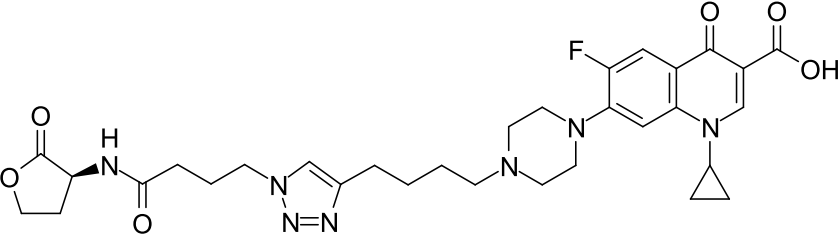


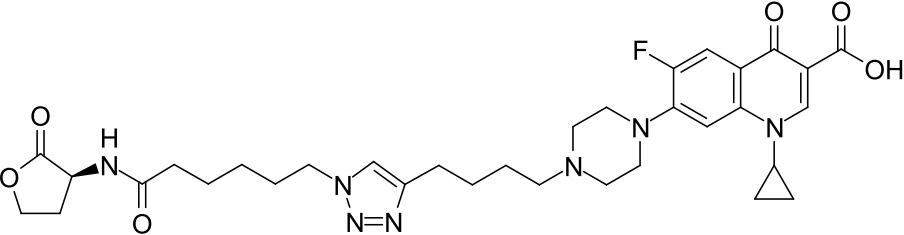


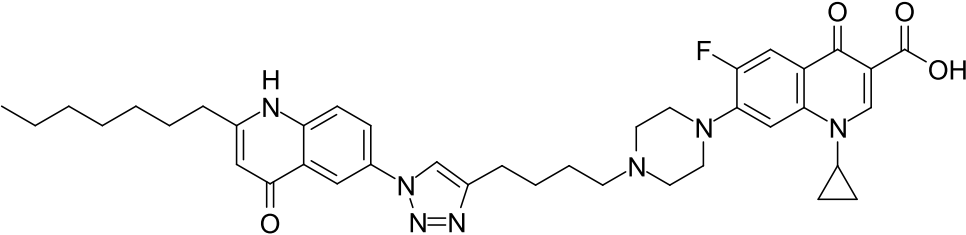


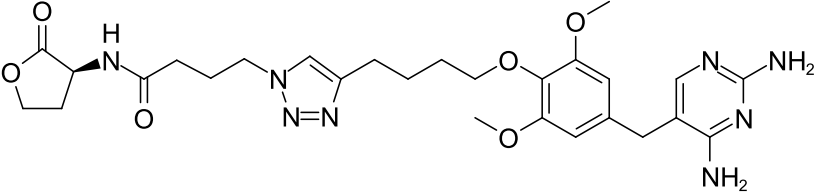


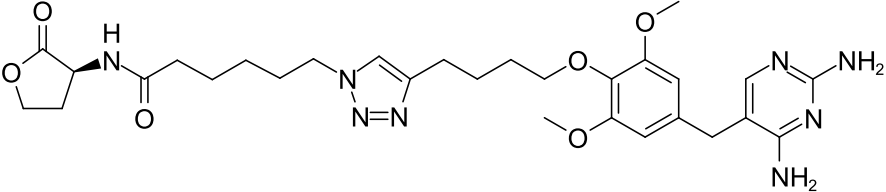


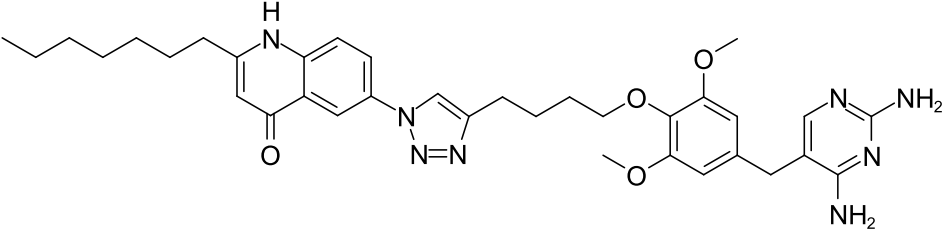


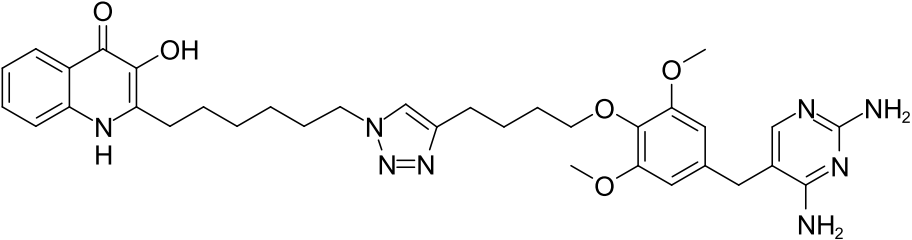


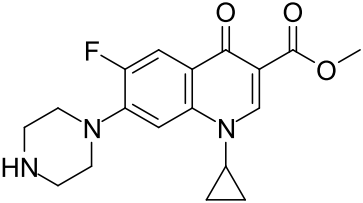


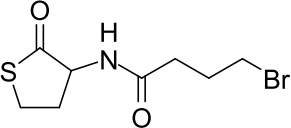


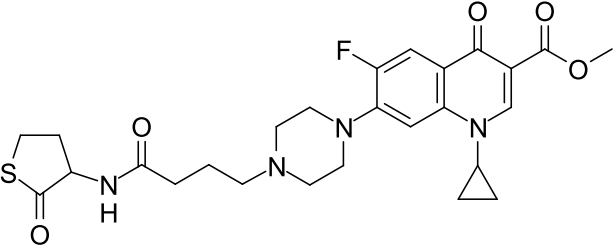


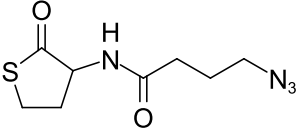


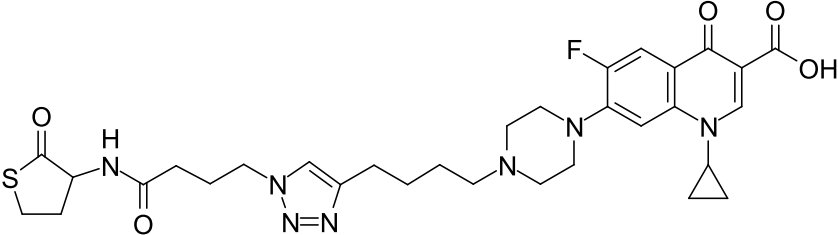


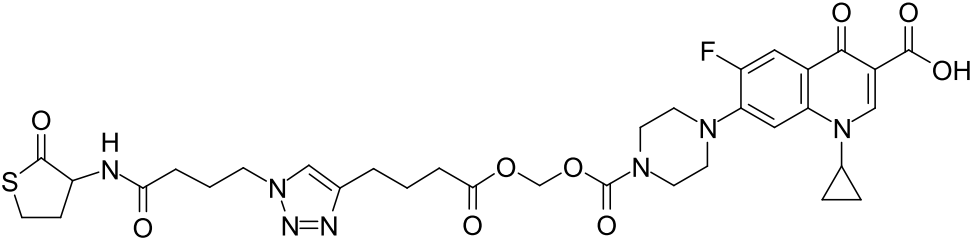


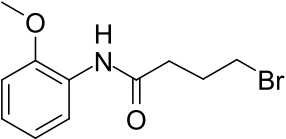


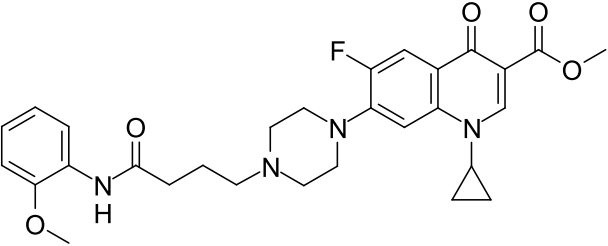


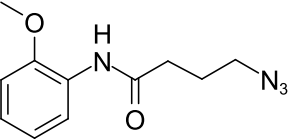


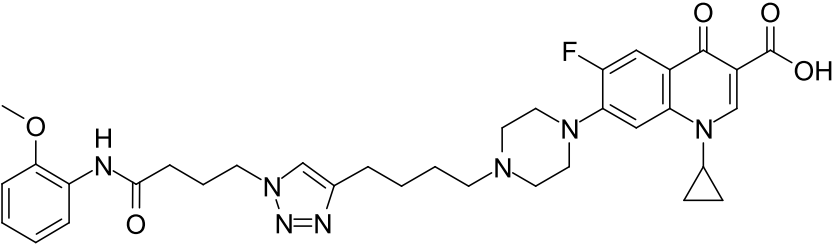


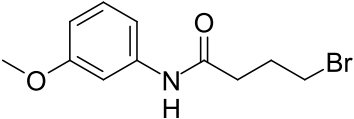


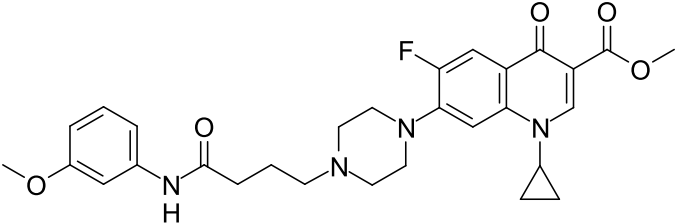


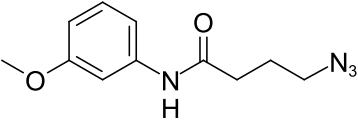


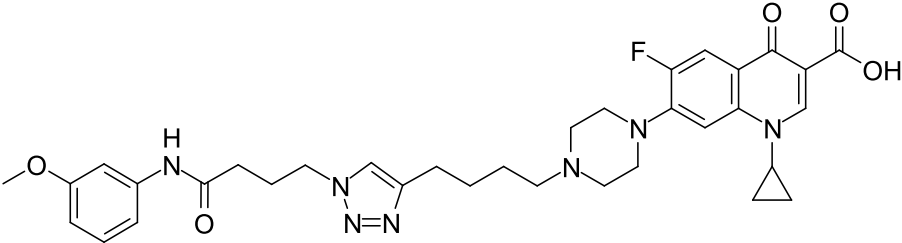


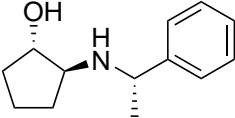




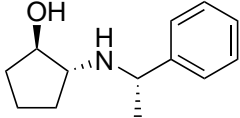








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