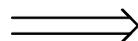
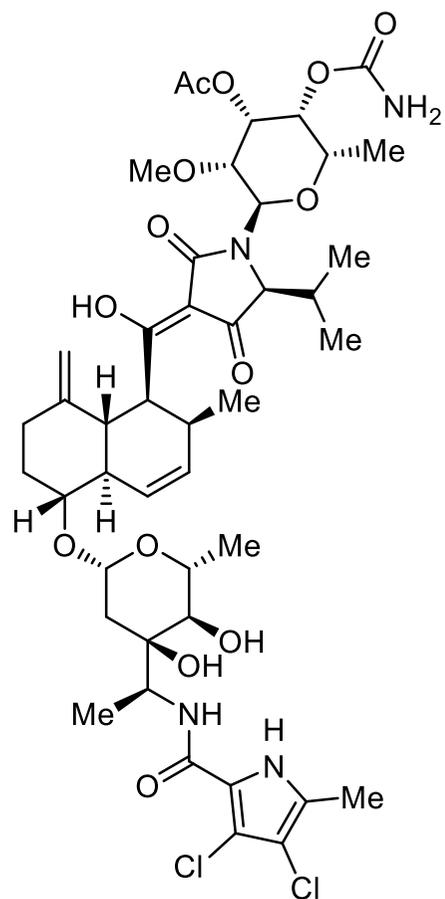


Total synthesis of broad-spectrum antibiotic:



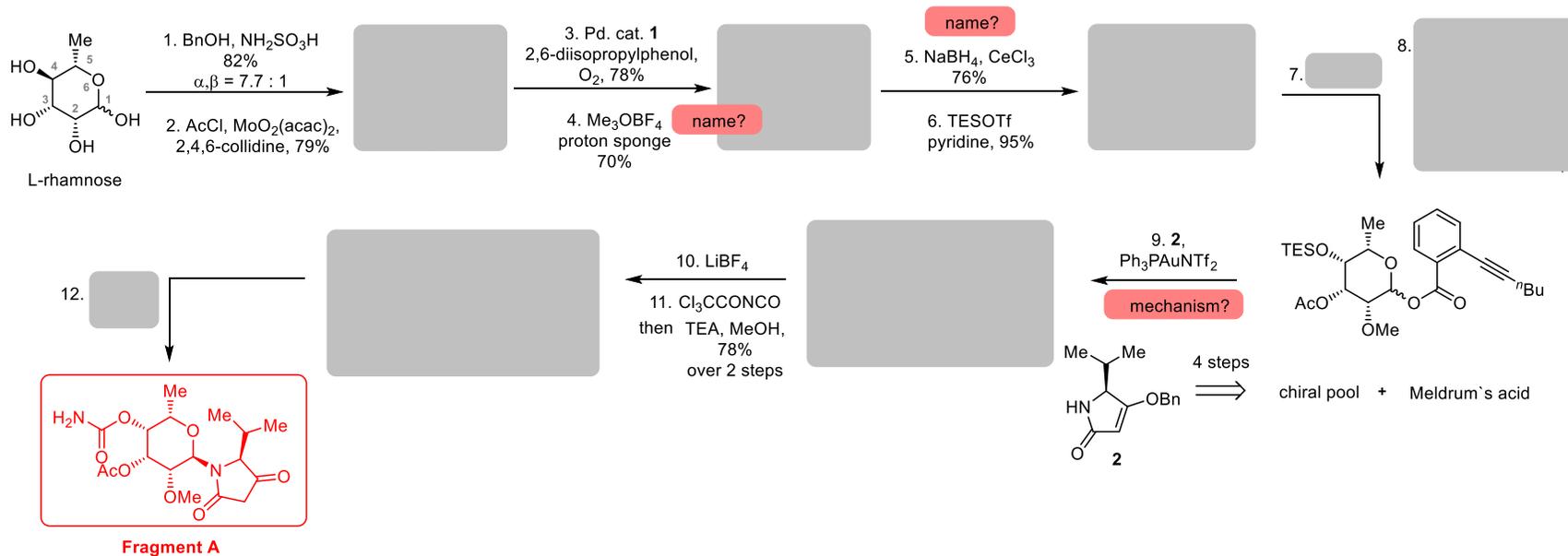
3 main fragments
(5 fragments in total)

suggest disconnections

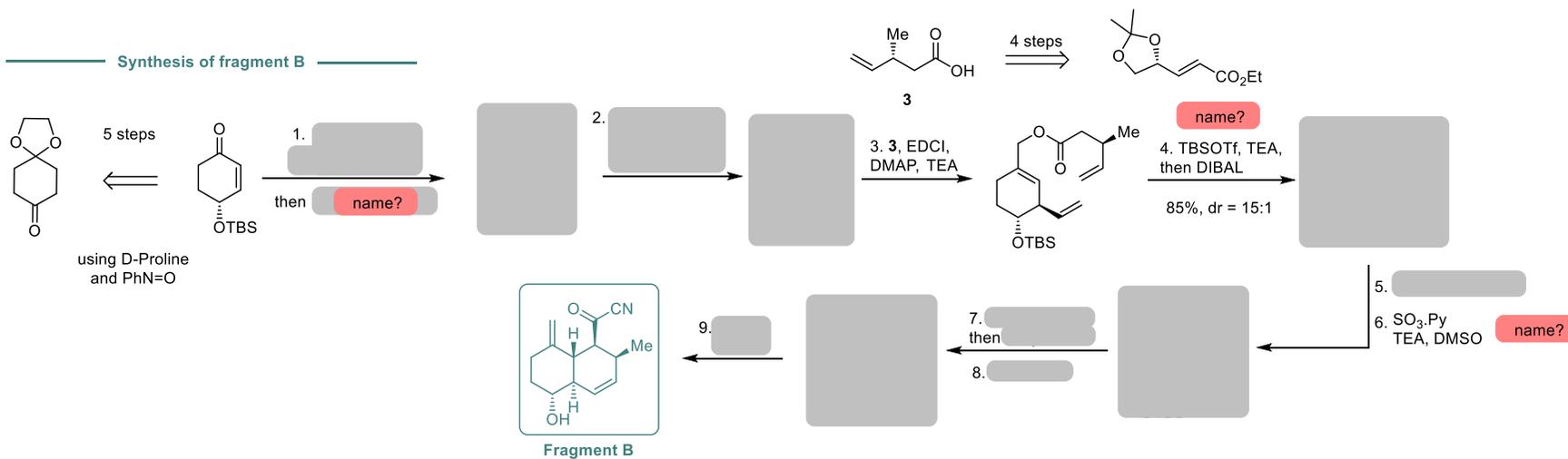


Fragments A, B and C

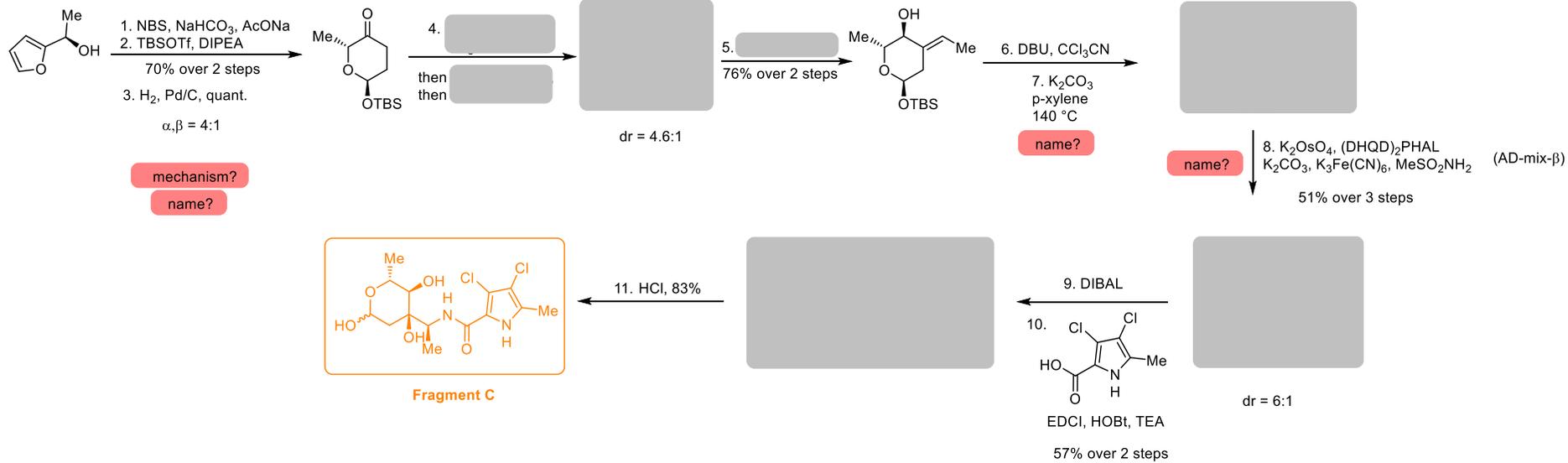
Synthesis of fragment A



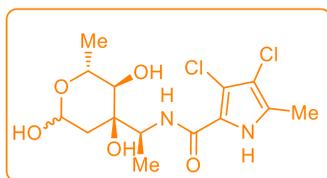
Synthesis of fragment B



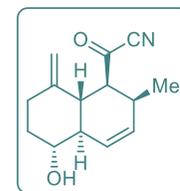
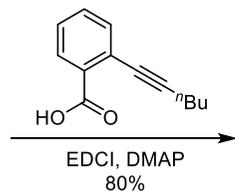
Synthesis of fragment C



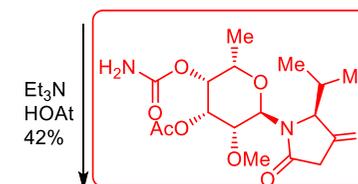
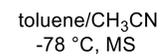
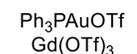
End game



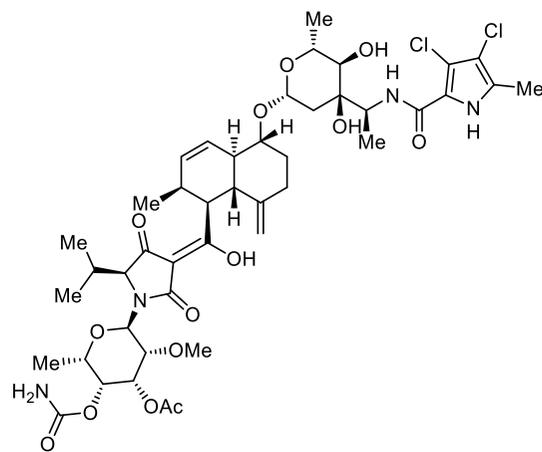
Fragment C



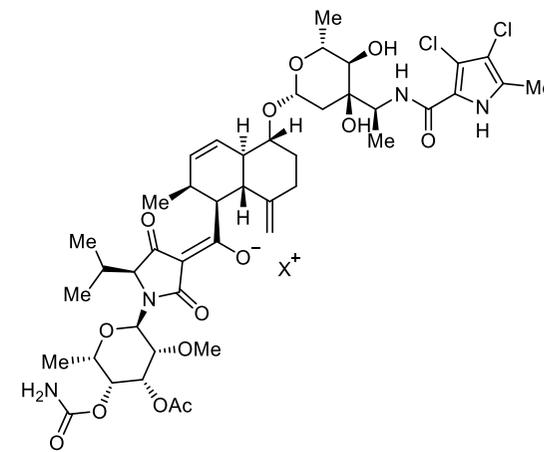
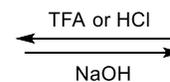
Fragment B



Fragment A



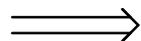
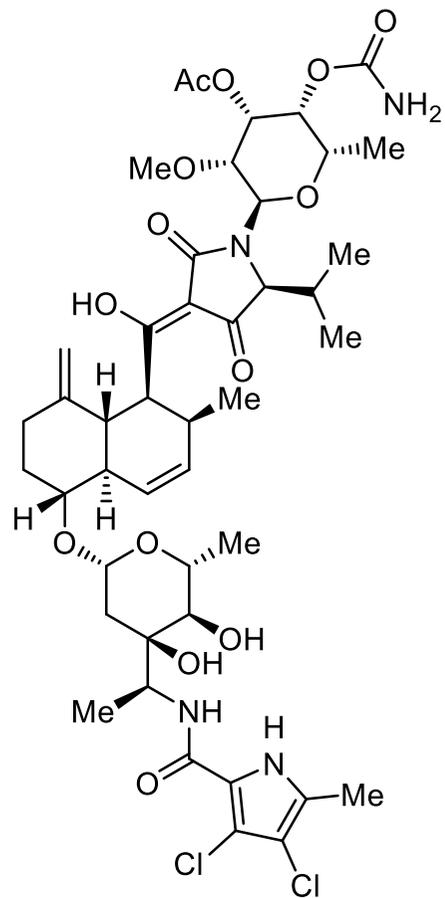
amycolamicin



kibd lomycin

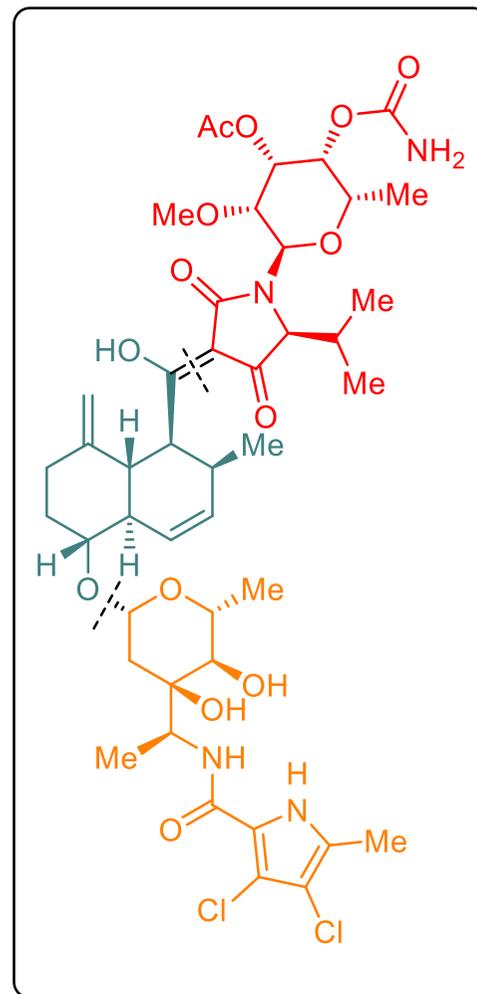
Solutions

Total synthesis of broad-spectrum antibiotic:



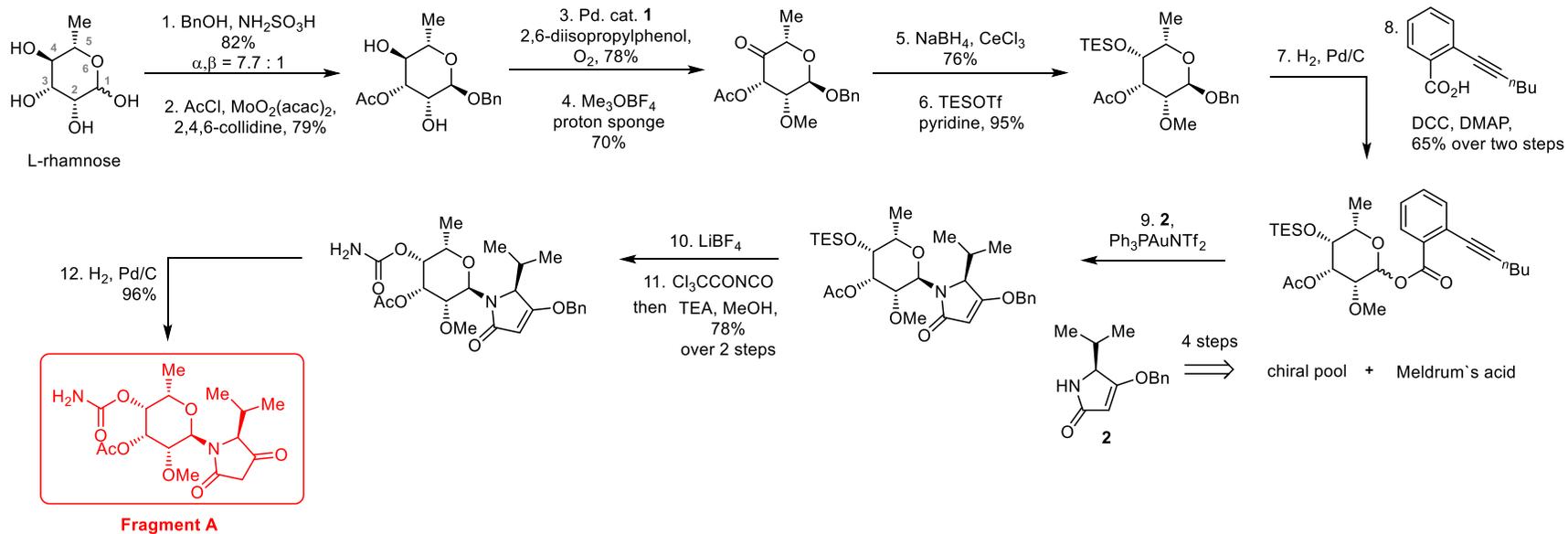
3 main fragments
(5 fragments in total)

suggest disconnections

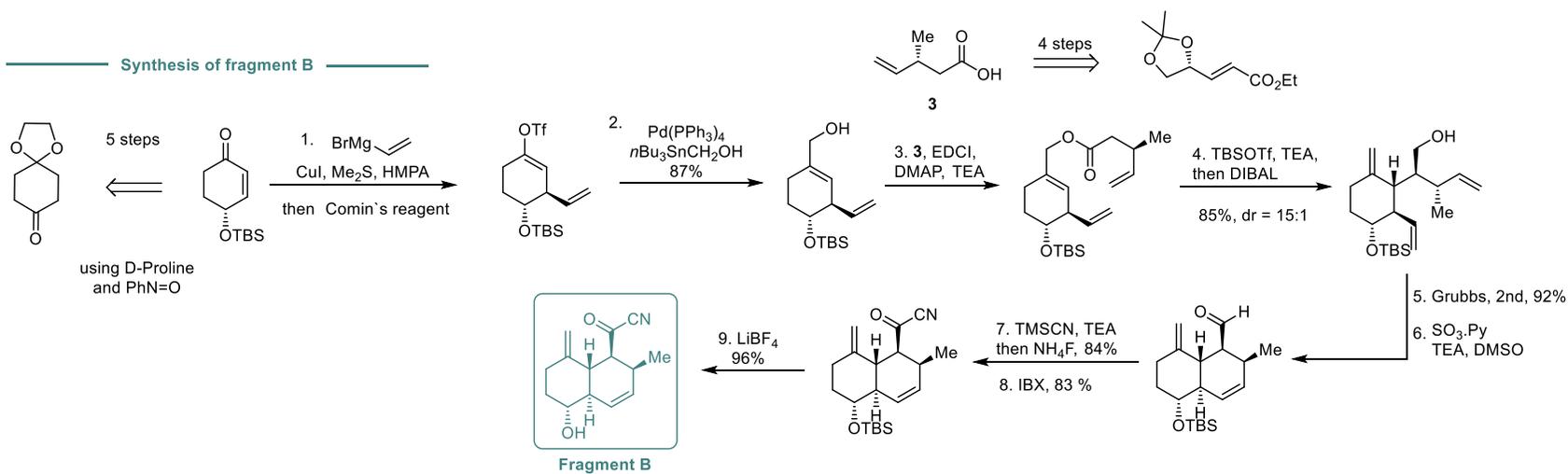


Fragments A, B and C

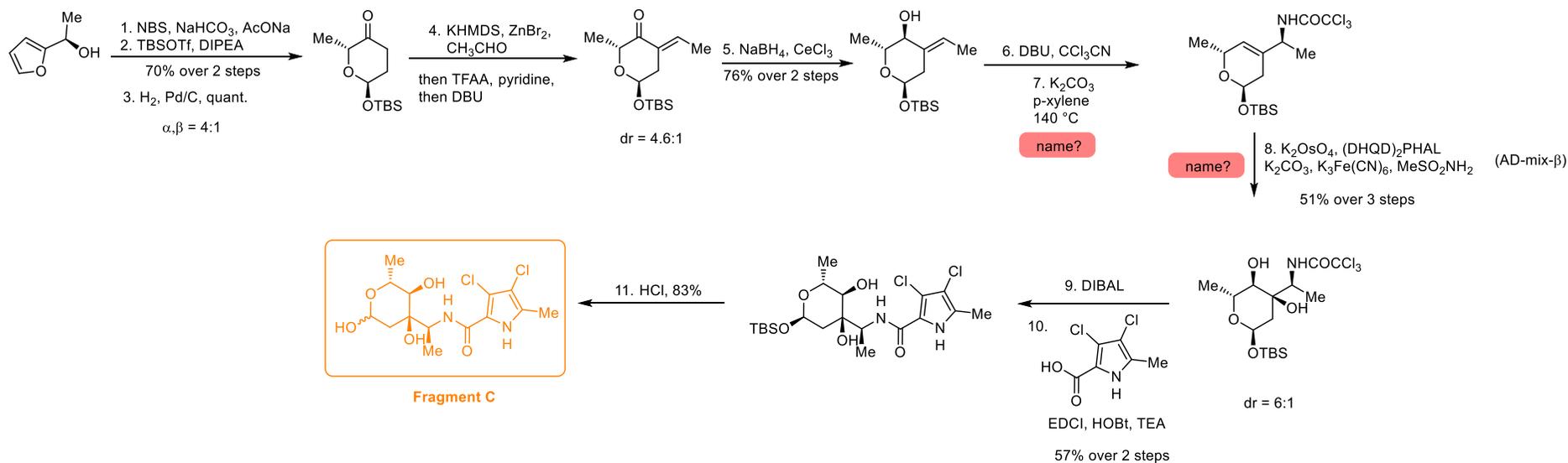
Synthesis of fragment A



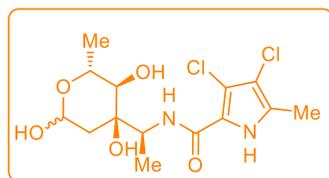
Synthesis of fragment B



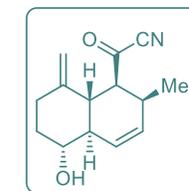
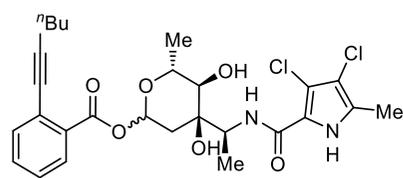
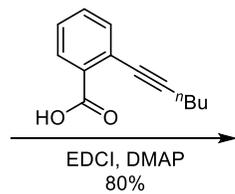
Synthesis of fragment C



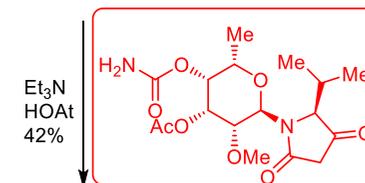
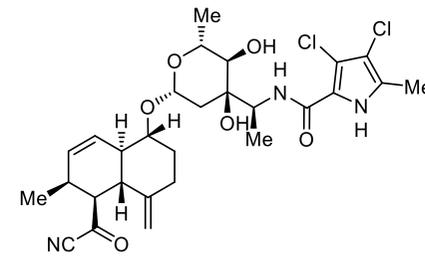
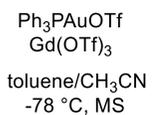
End game



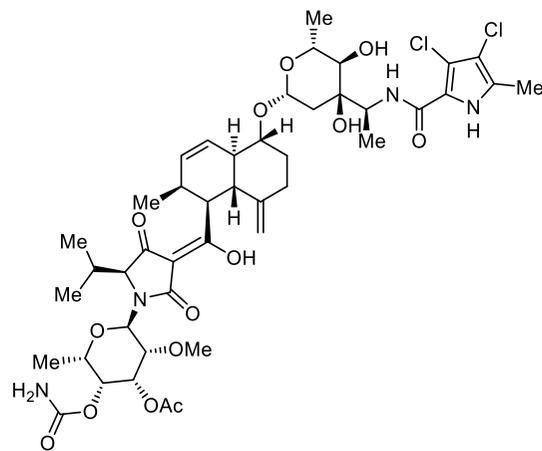
Fragment C



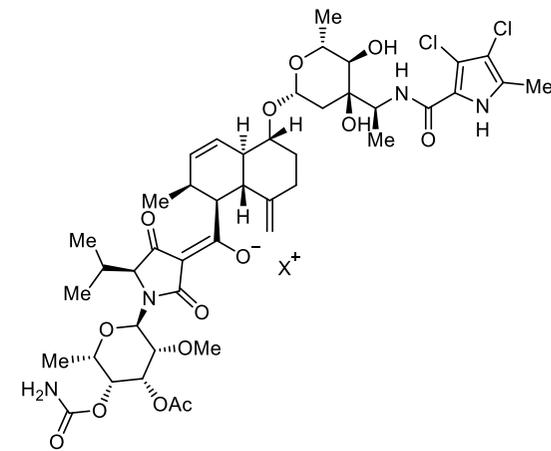
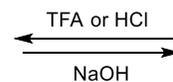
Fragment B



Fragment A



amycolamicin



kibelomycin