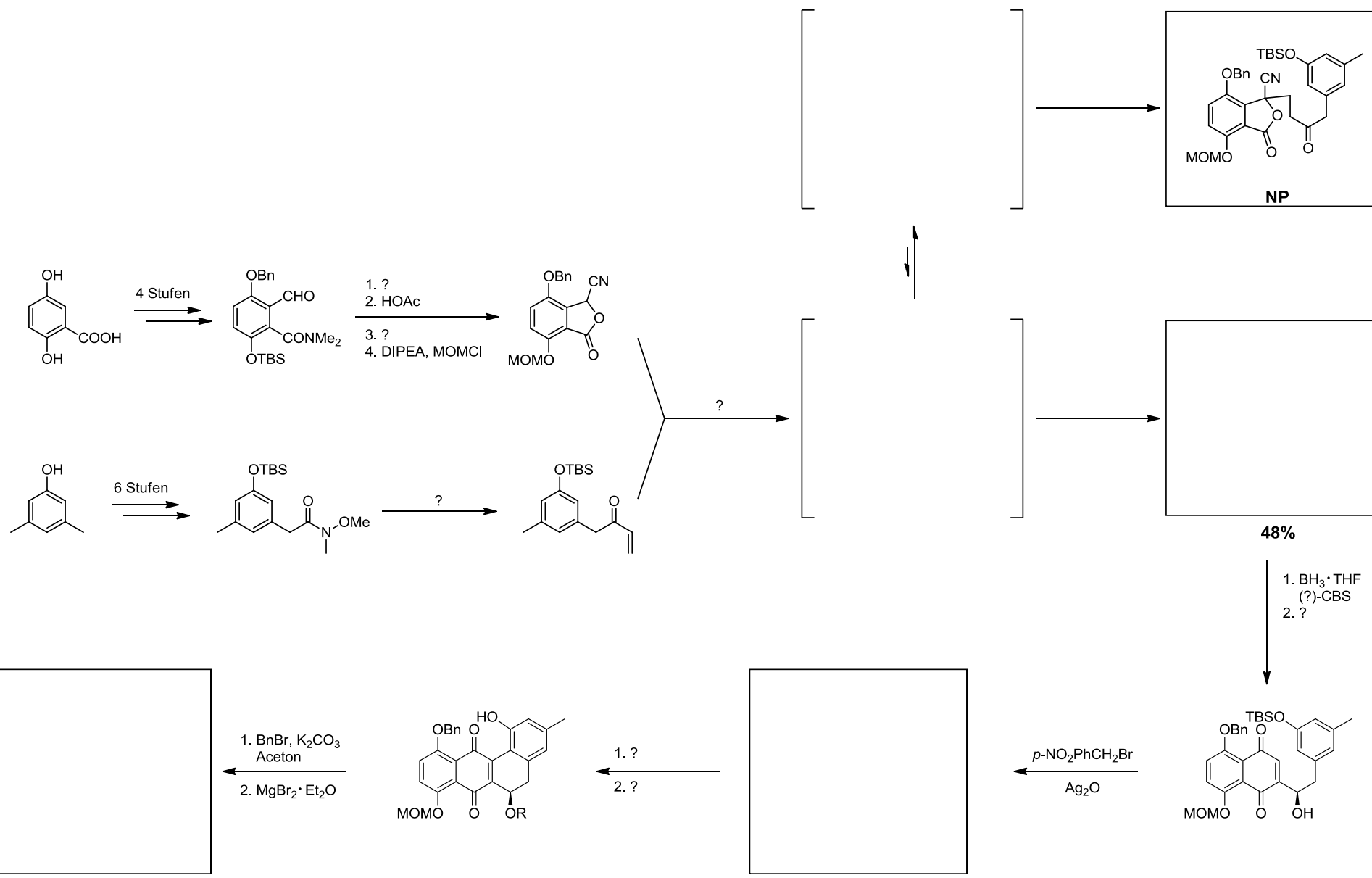


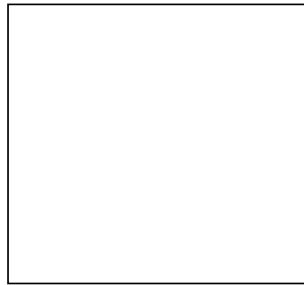
Problem Seminar: ein tetracyclischer Antitumorwirkstoff



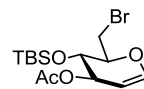
A



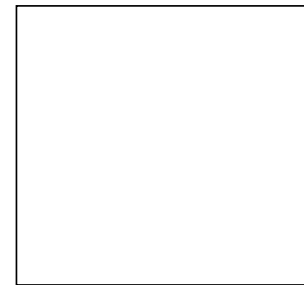
1. NaOMe
DCM/MeOH
2. TsCl
DCM/Pyridin
dann AcCl



1. ?
2. ?



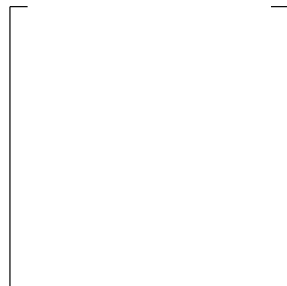
HOAc, Ac₂O
HBr-HOAc (30%)



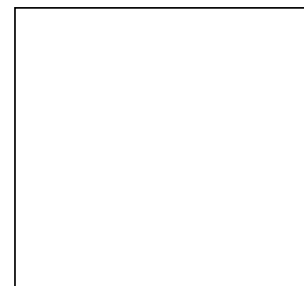
B



TMSI



A
18-Krone-6
KHMDS
S_N2



B