

NH₄Cl, NH₃/MeOH,
then TMSCN (sealed tube)

d.r. = 5:1
70%

named reaction

O

1.) MeOCOCI, K₂CO₃,
THF

2.) CoCl₂, NaBH₄, MeOH
(Sato conditions)
3.) LiOH, THF, H₂O

67%

P

1.) DDQ, H₂O, THF

2.) Boc₂O, DMAP,
CH₃CN

63%

Q

1.) NaBH₄, MeOH

2.) (PhO)₂P(O)N₃,
DBU, Tol, DMF

d.r. = 2:1
78%

R

1.) NiCl₂, NaBH₄, MeOH

2.) NEt₃, DCM, Z

57%

S

1.) TFA, DCM, aq. NaHCO₃

2.) DDQ, 1,4-dioxane

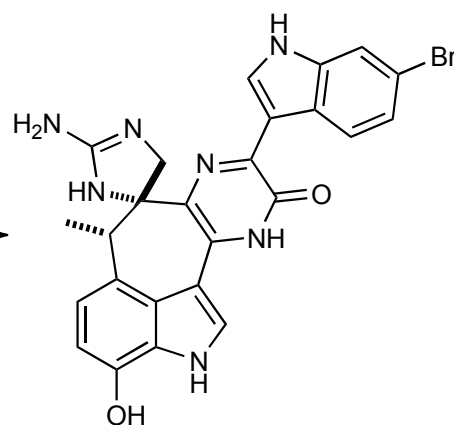
65%

1.) Me₃OBf₄, NaHCO₃,
EtOAc
2.) NH₃, MeOH, sealed tube
3.) TMSI, CH₃CN

Stoltz benzyl ether
cleavage conditions

25%

T



(+/-)-Drugmacidin E

