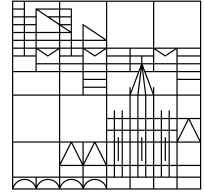


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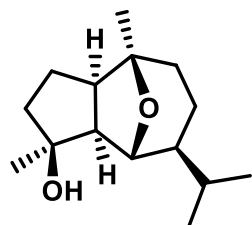


Baran Group 2012 - 2016

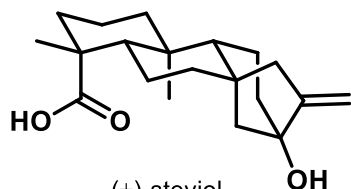
Literature talk 05.07.2017

Konstantin Samarin

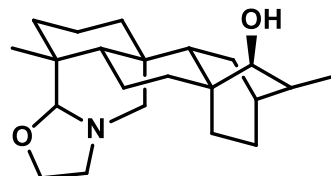
Total Synthesis



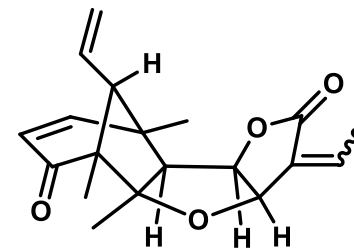
(+)-chrysothol
2012



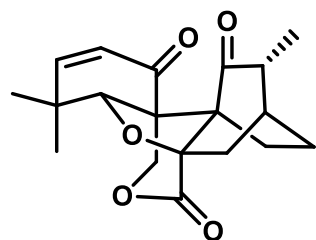
(±)-steviol
2013



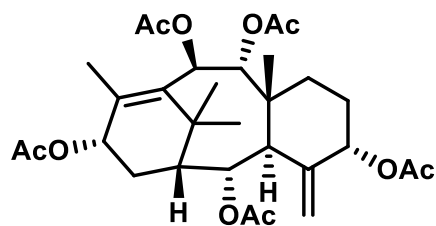
(-)-isoatisine
2014



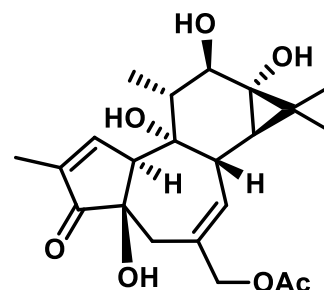
pallambin C and D
2016



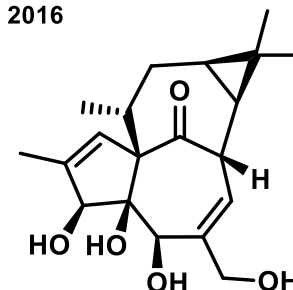
(-)-maoecrystal V
2016



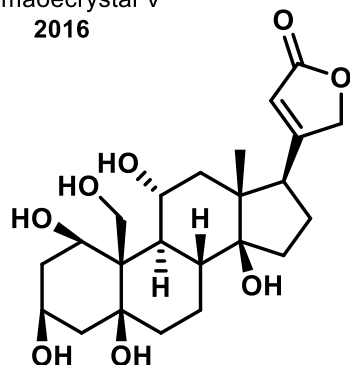
Taxabaccatin III
2016



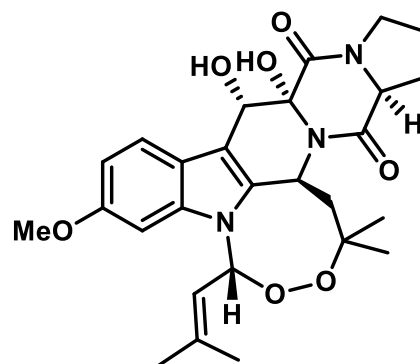
(+)-phorbol
2016



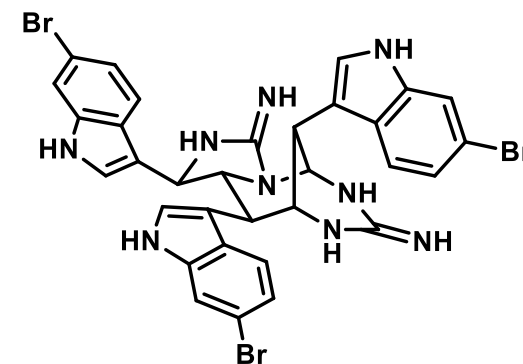
ingenol
2013



oubagenin
2013

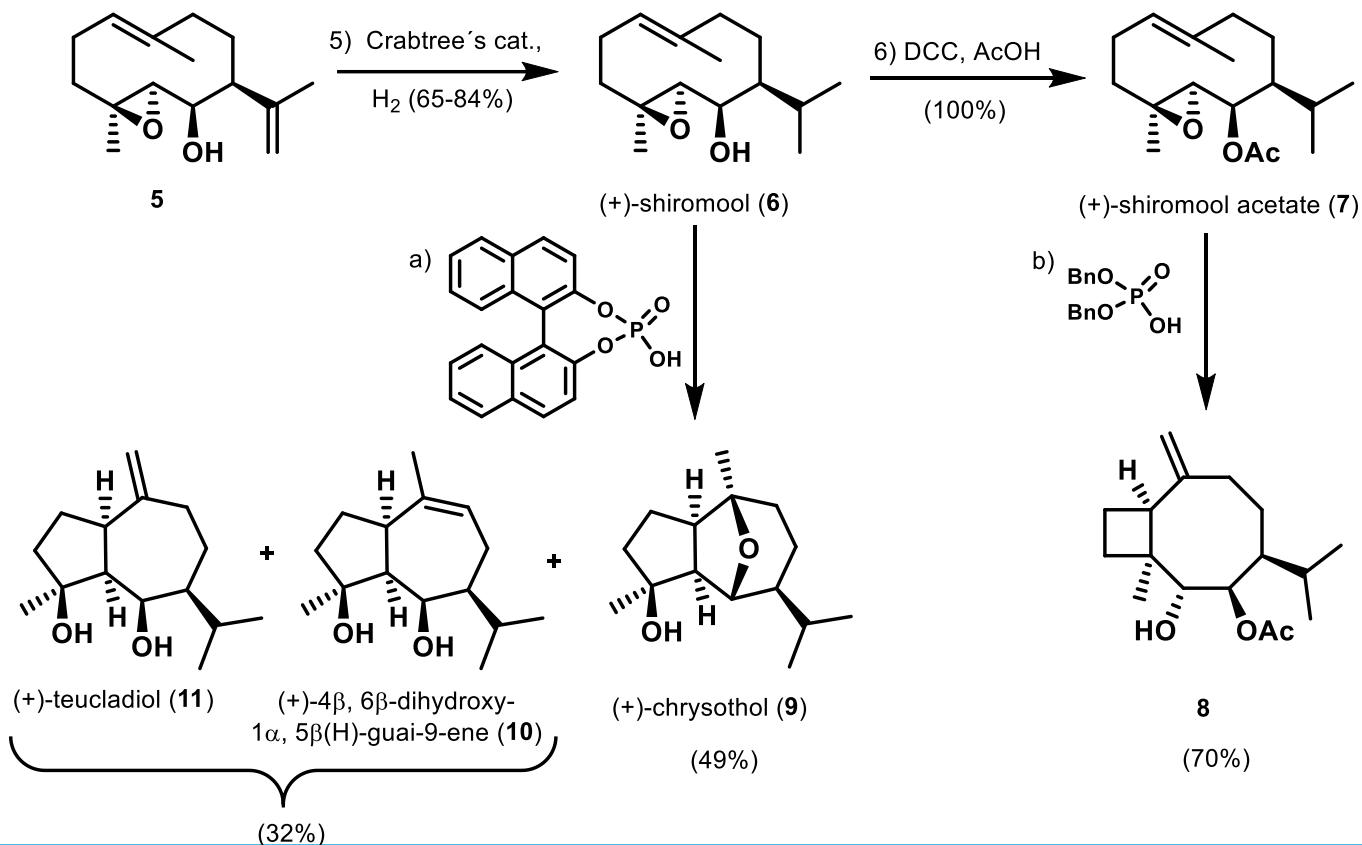


verruculogen
2015

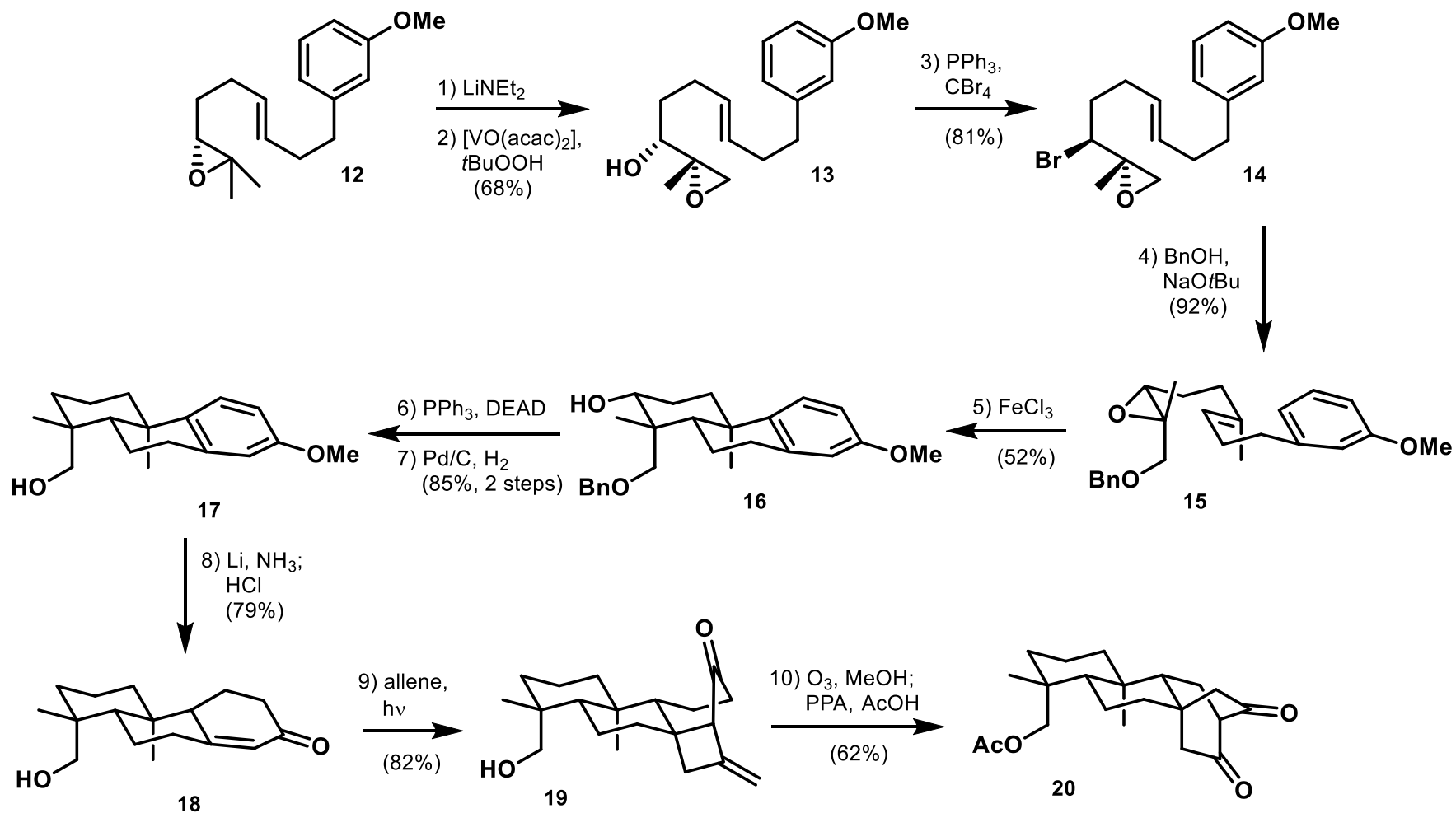


araiosamine C
2016

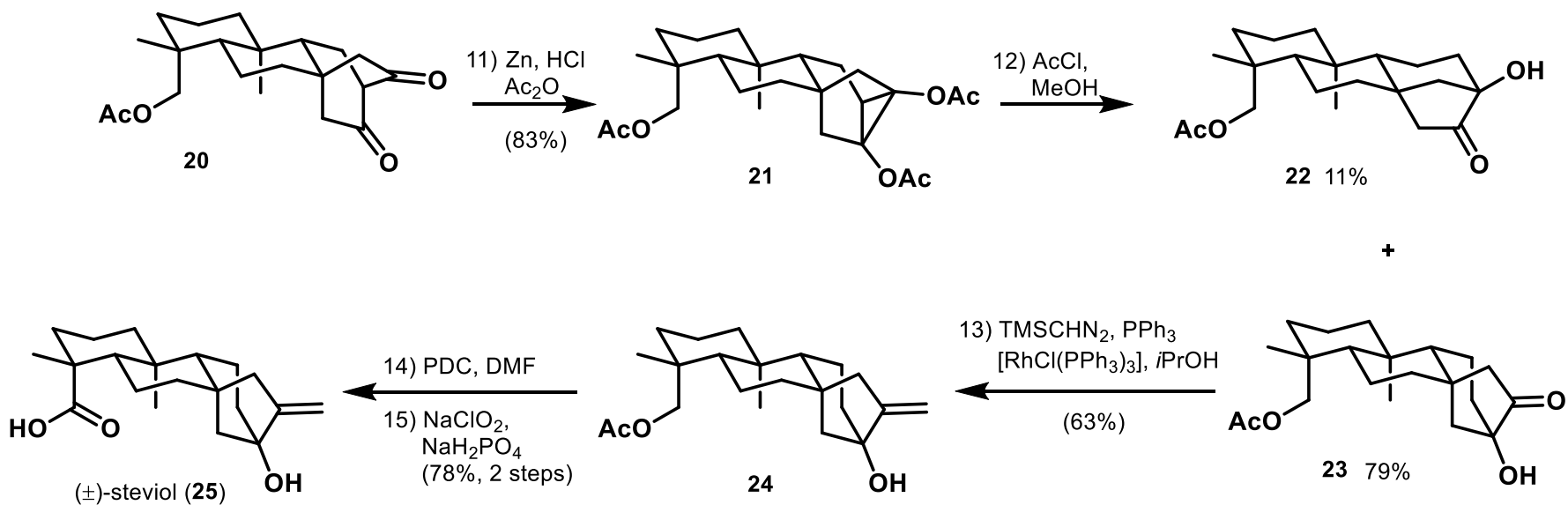
Synthesis of germacrenes and more



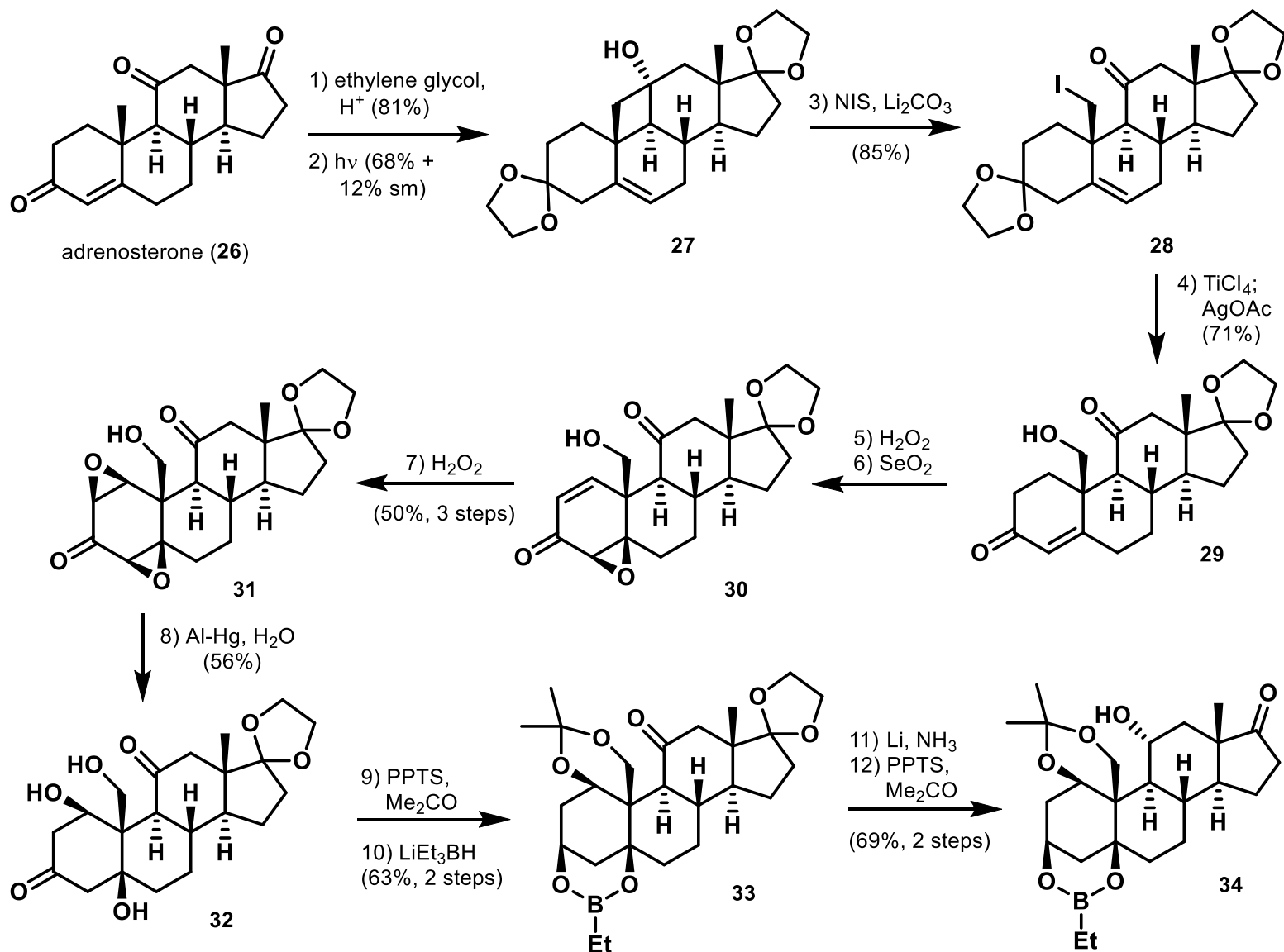
Total synthesis of steviol



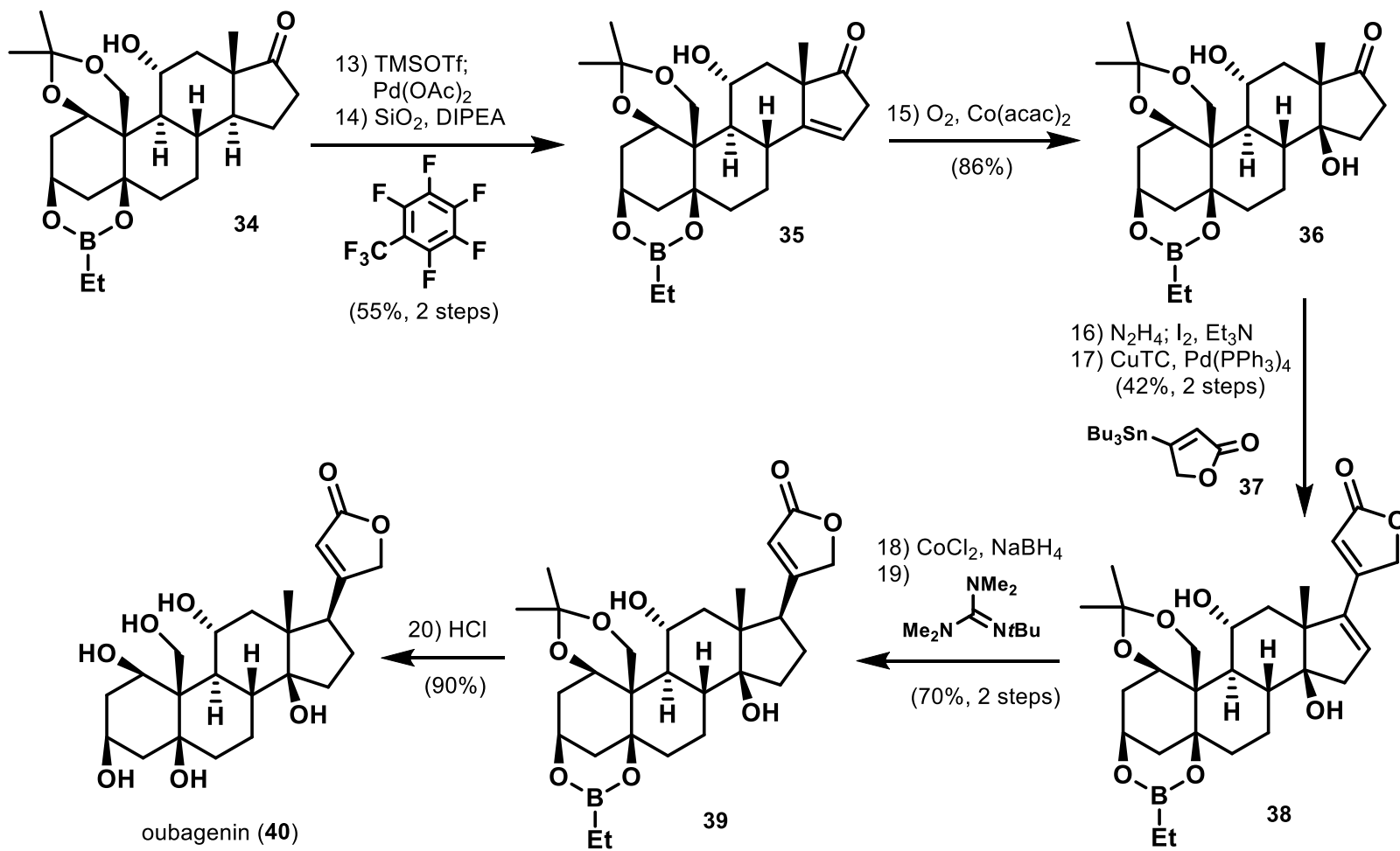
Total synthesis of steviol



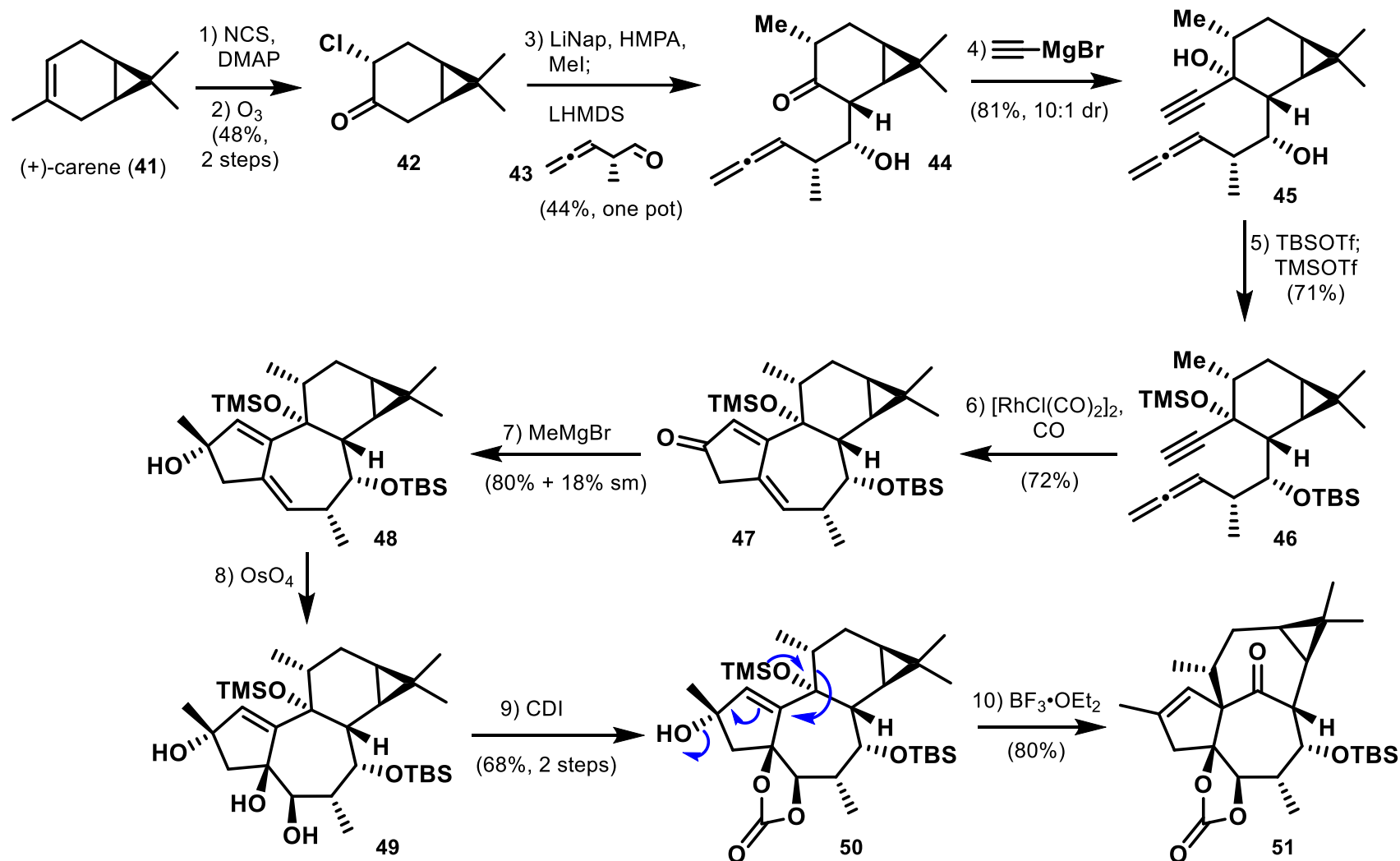
Total synthesis of oubagenin



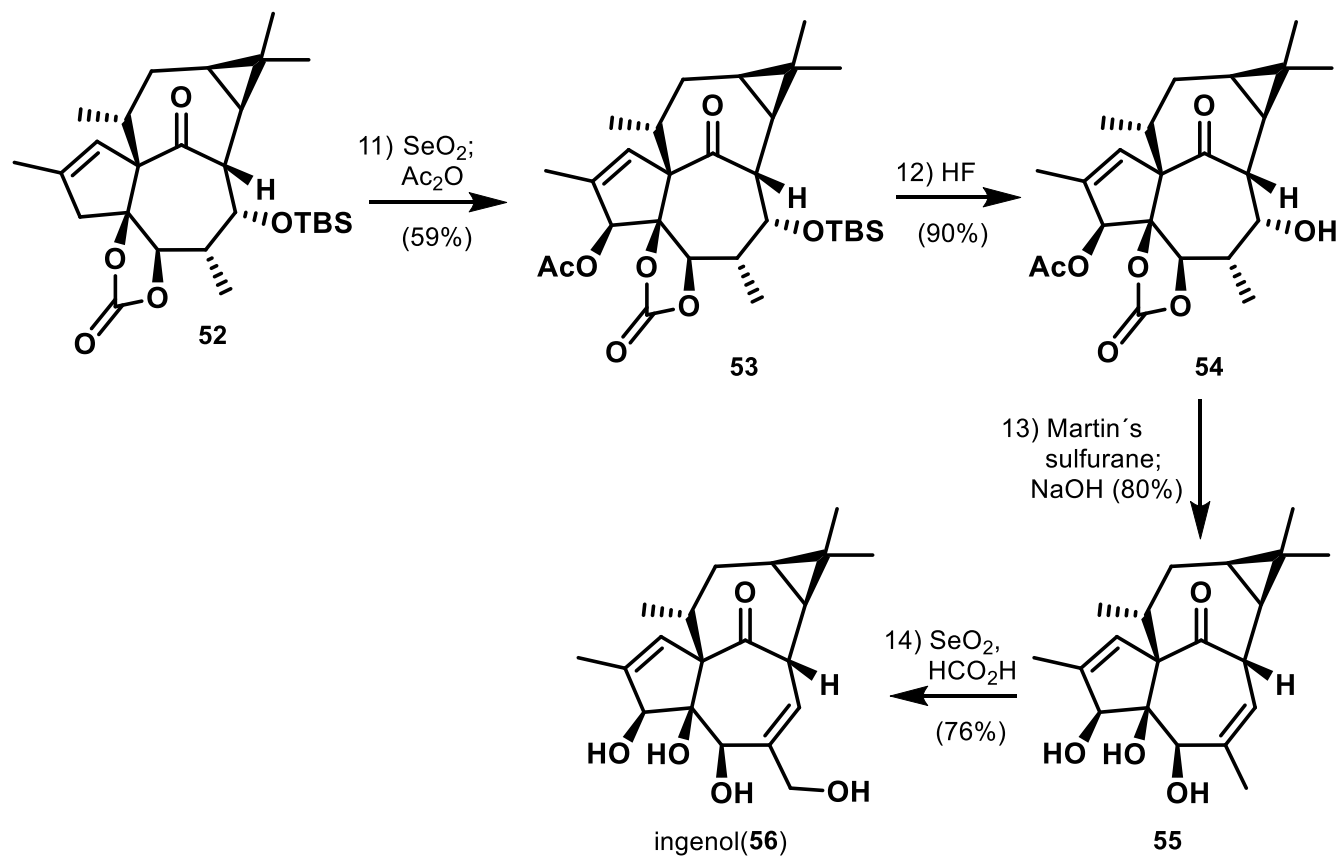
Total synthesis of oubagenin



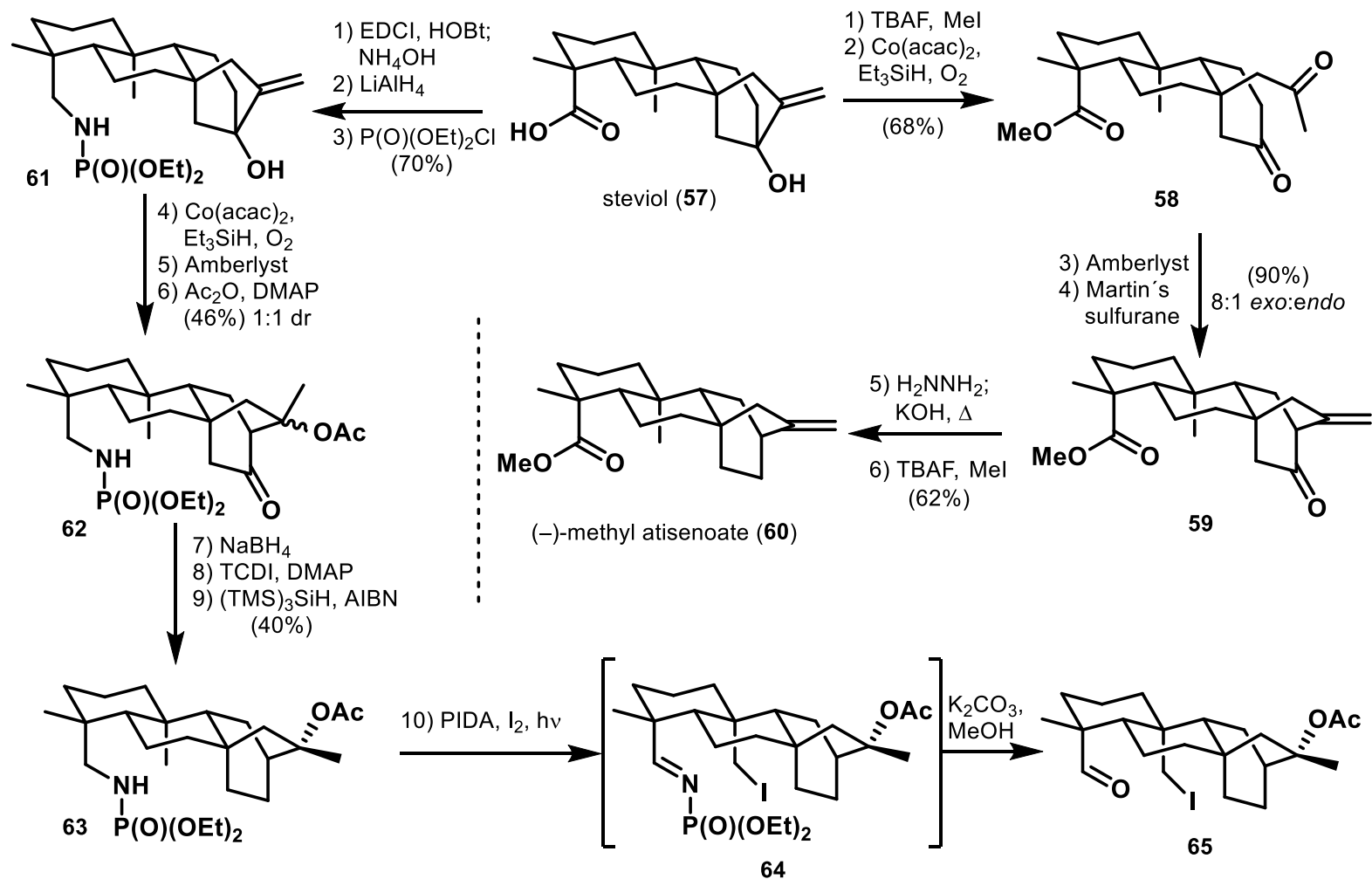
Total synthesis of ingenol



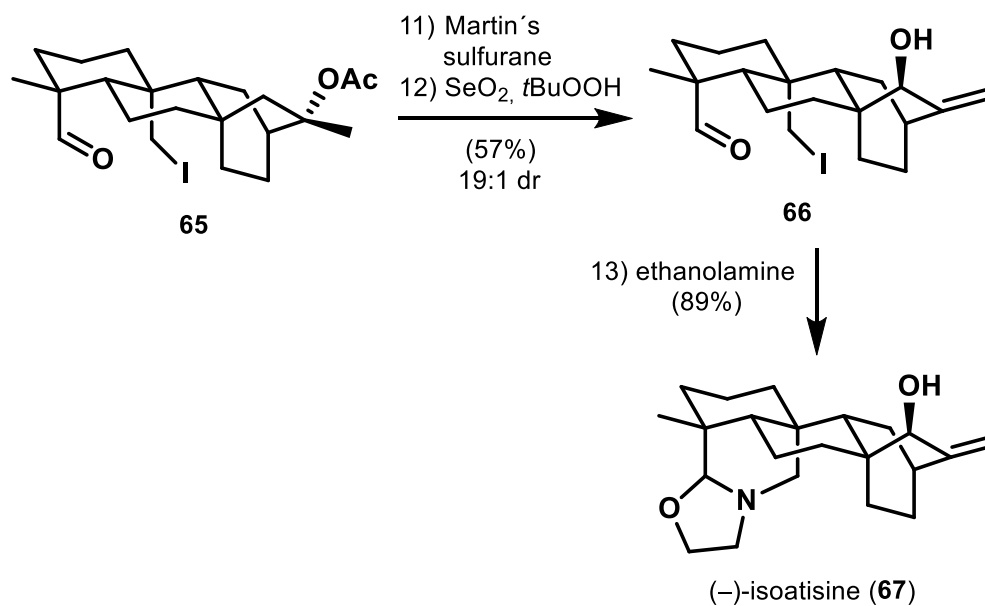
Total synthesis of ingenol



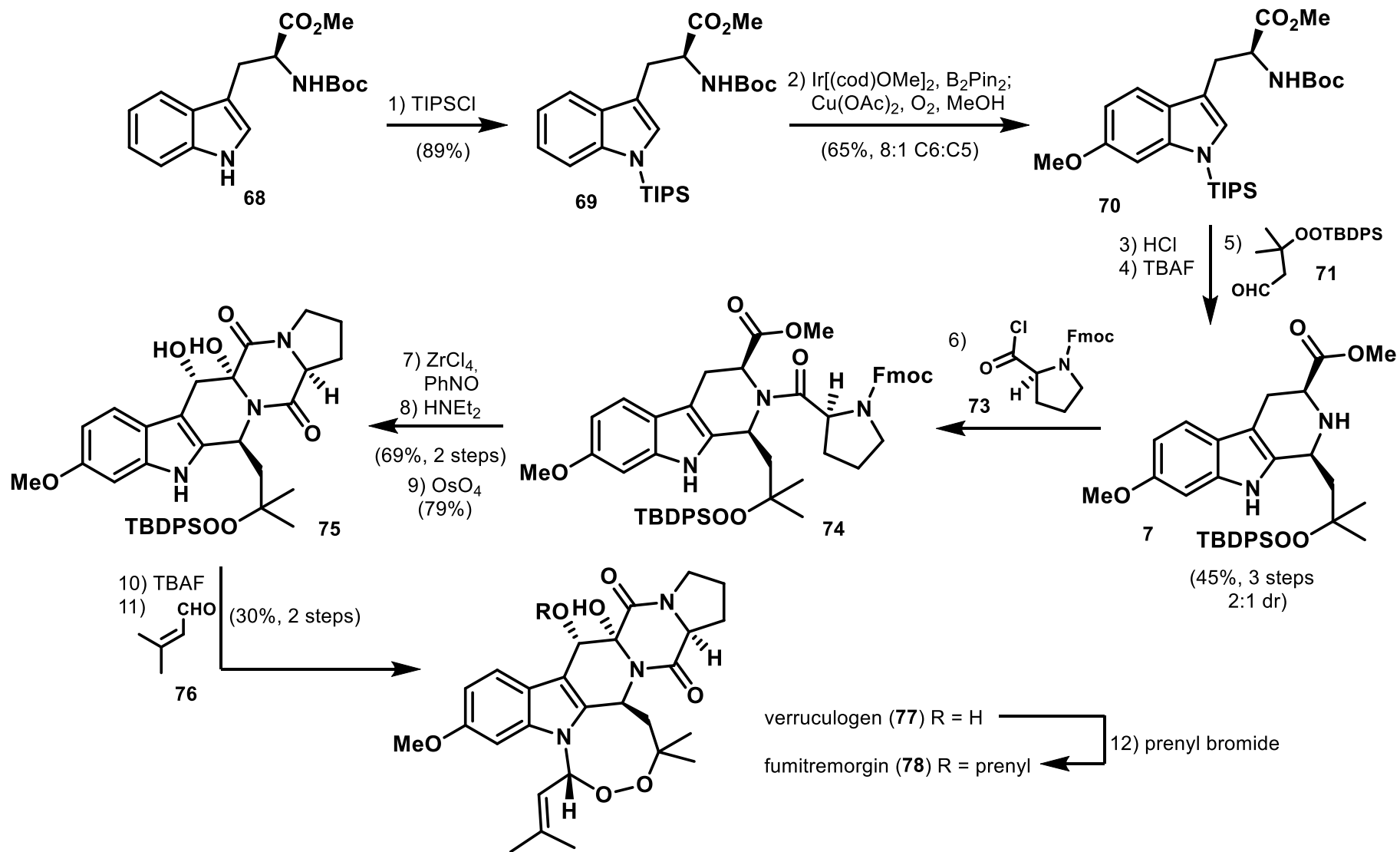
Total synthesis of isoatisine



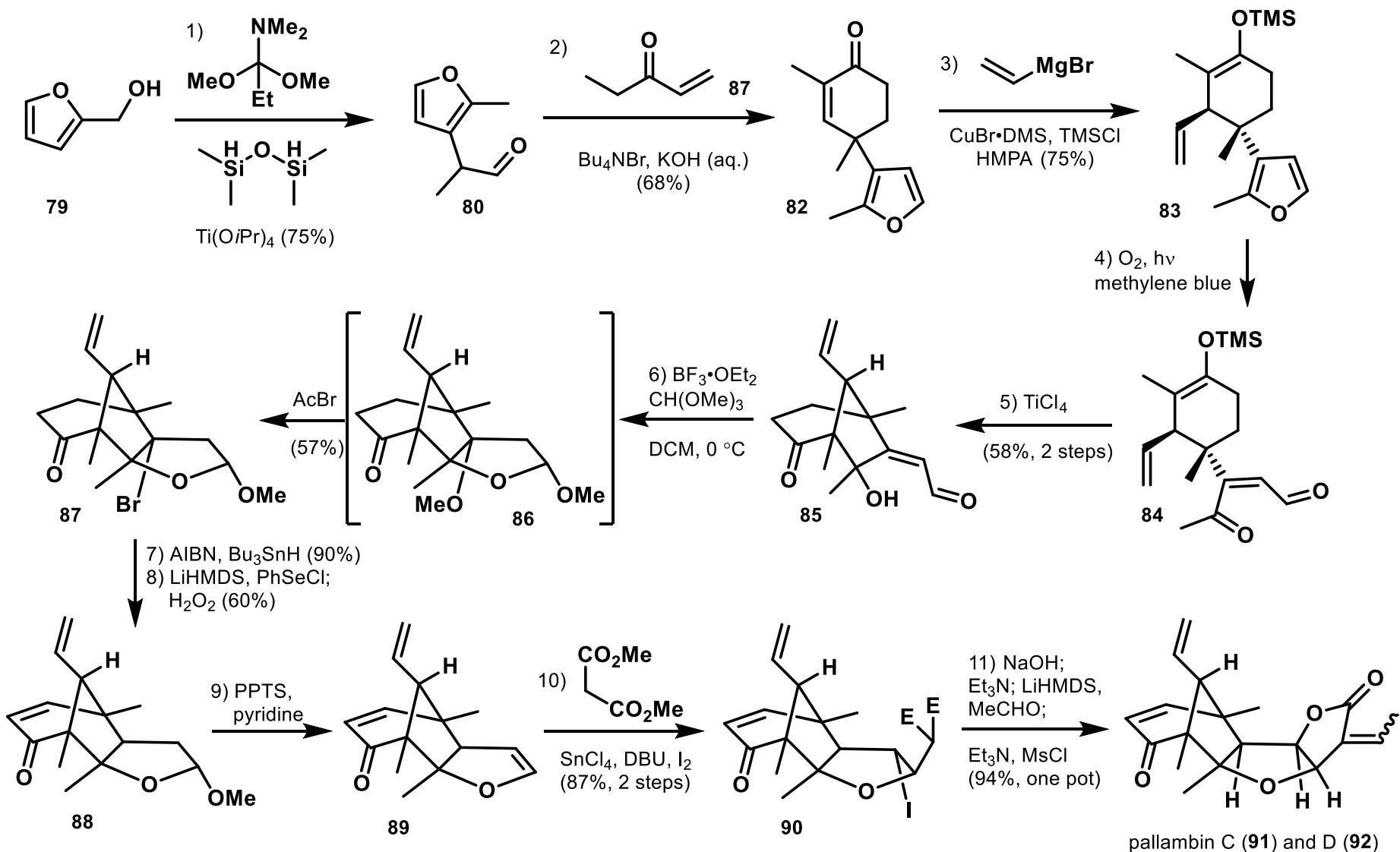
Total synthesis of isoatisine



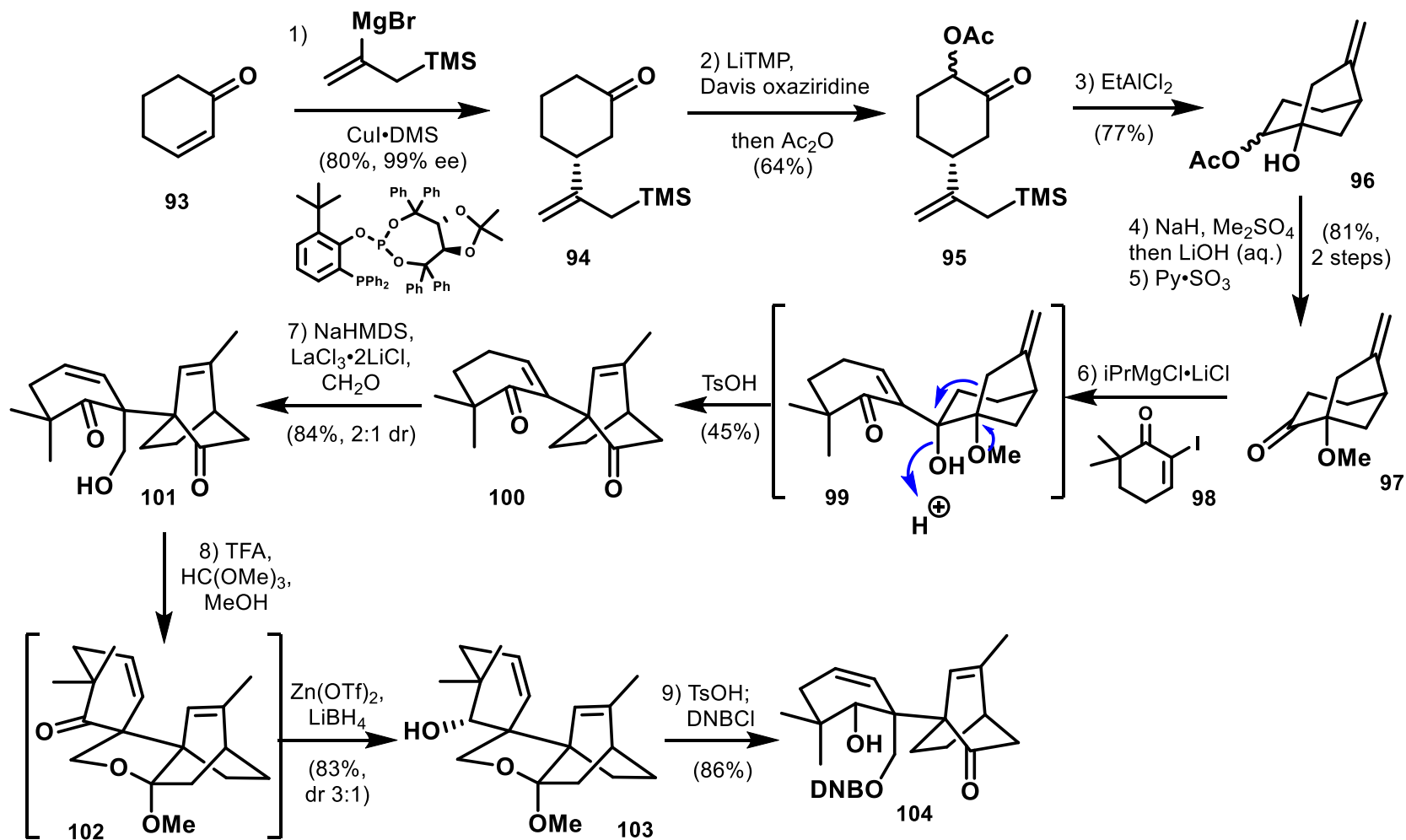
Total synthesis of verruculogen



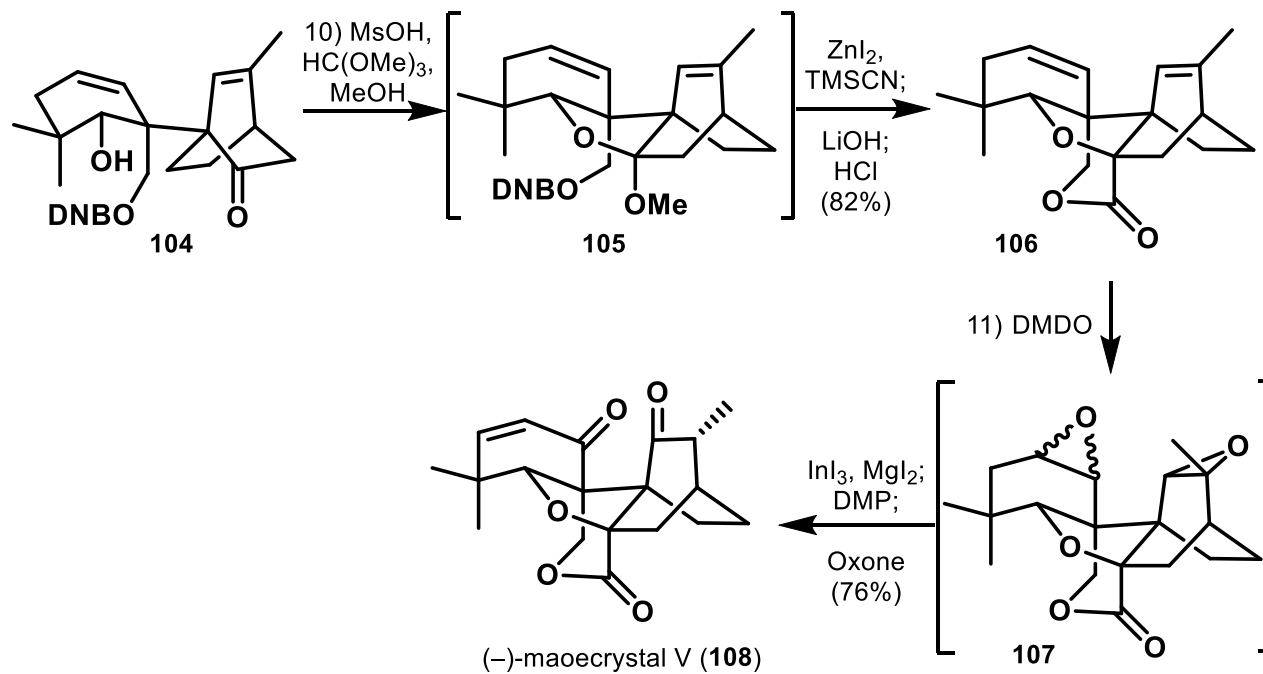
Total synthesis of pallambins C and D



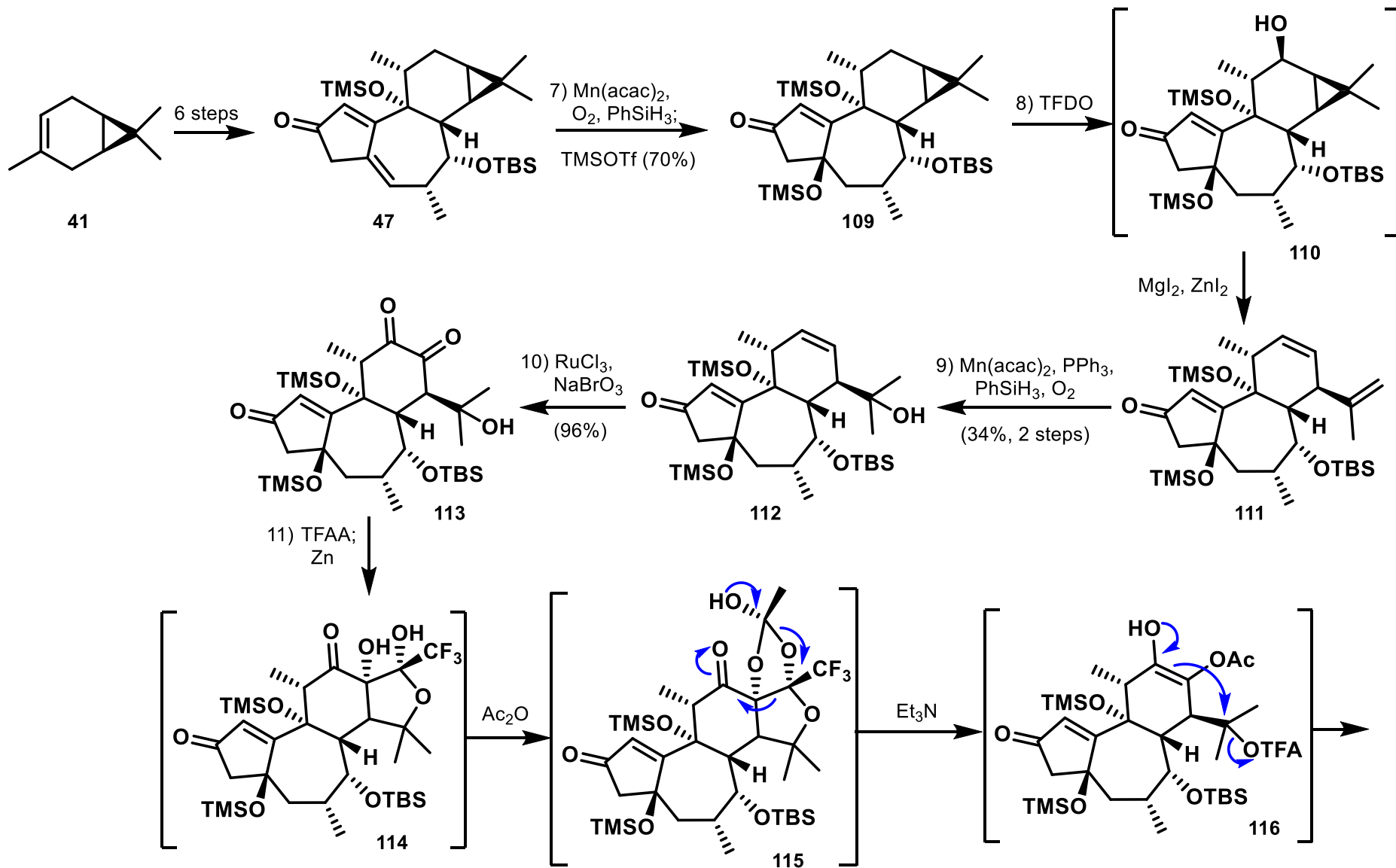
Total synthesis of maoechrysal V



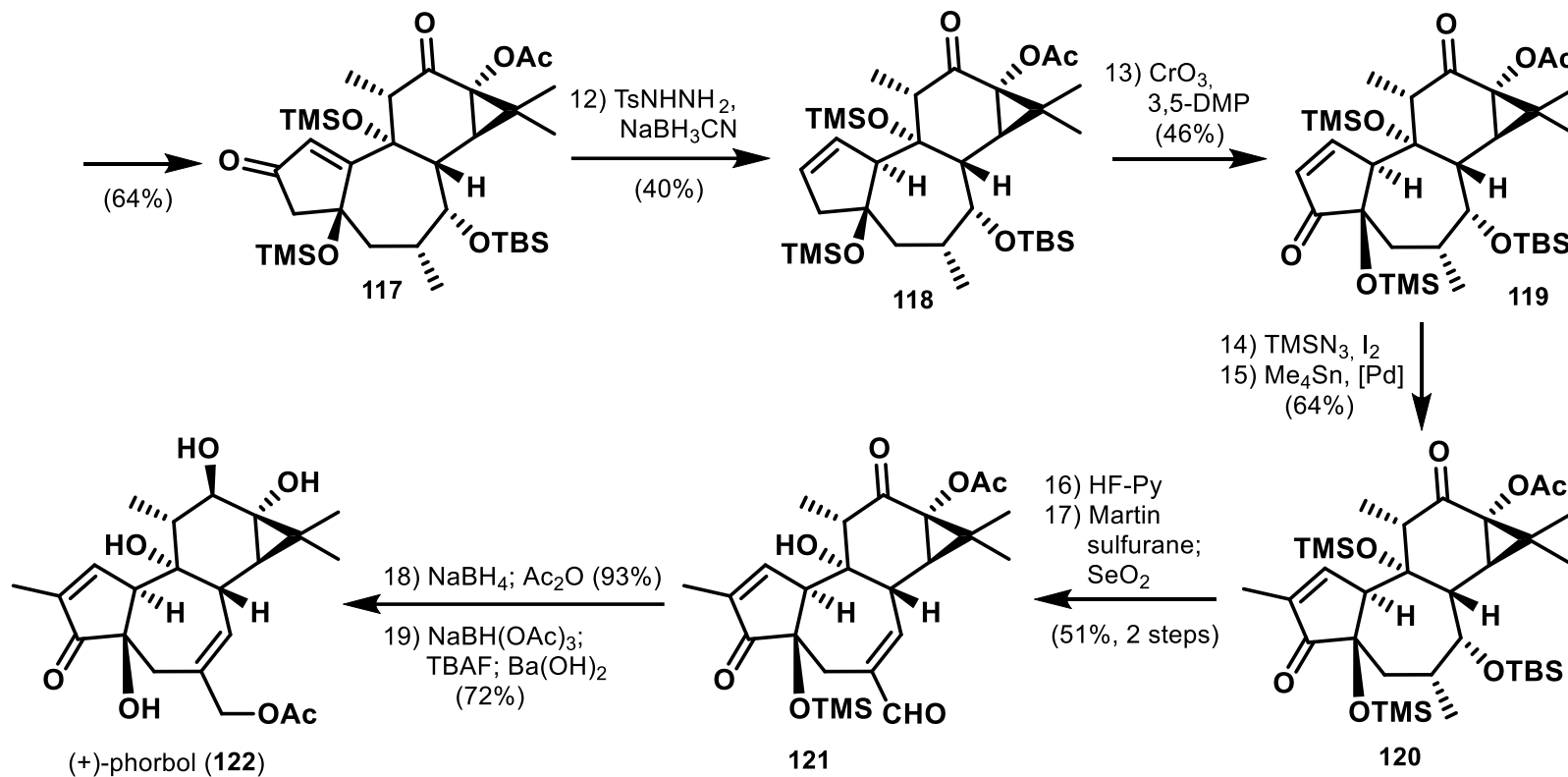
Total synthesis of isoatisine



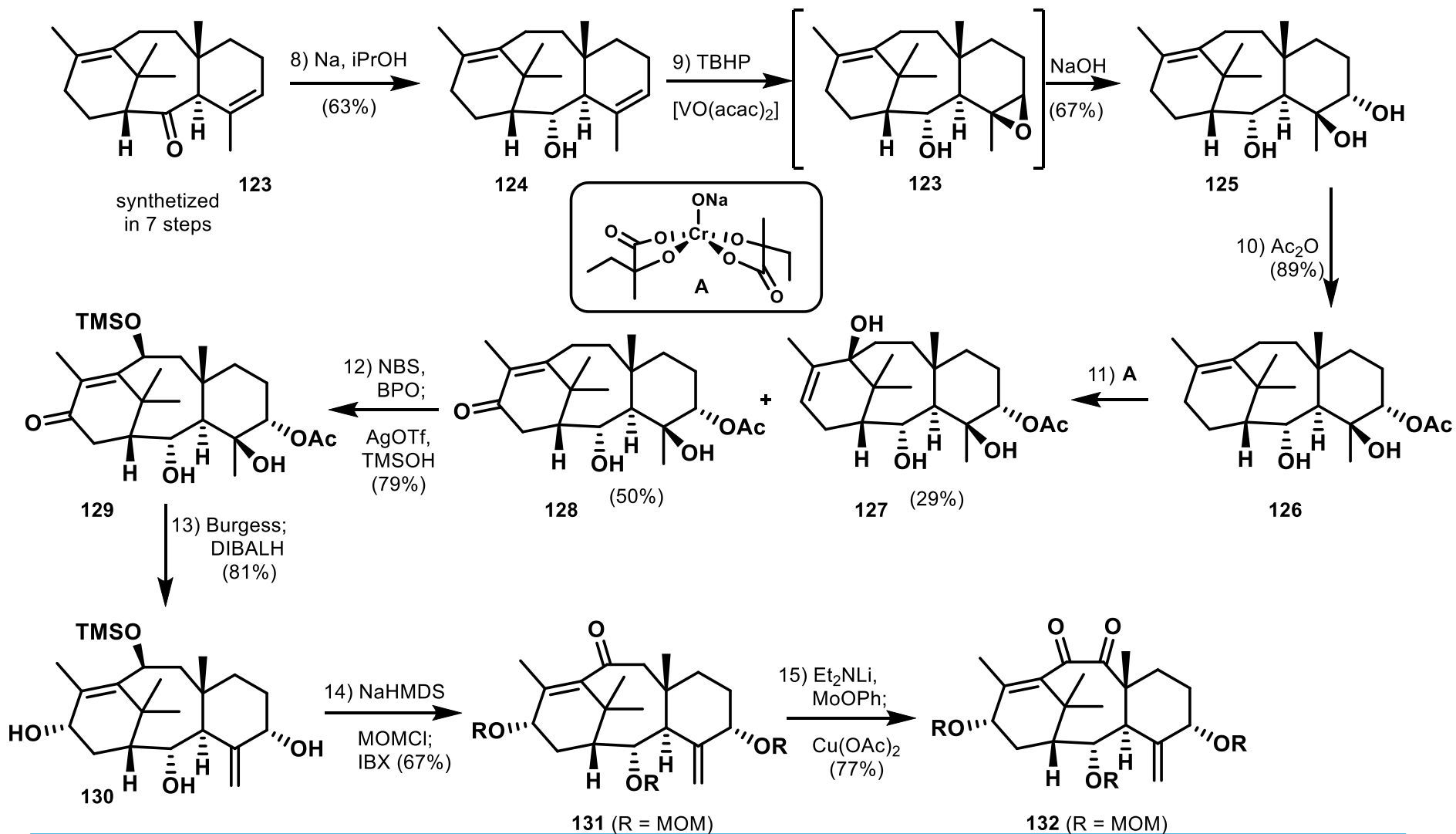
Total synthesis of phorbol



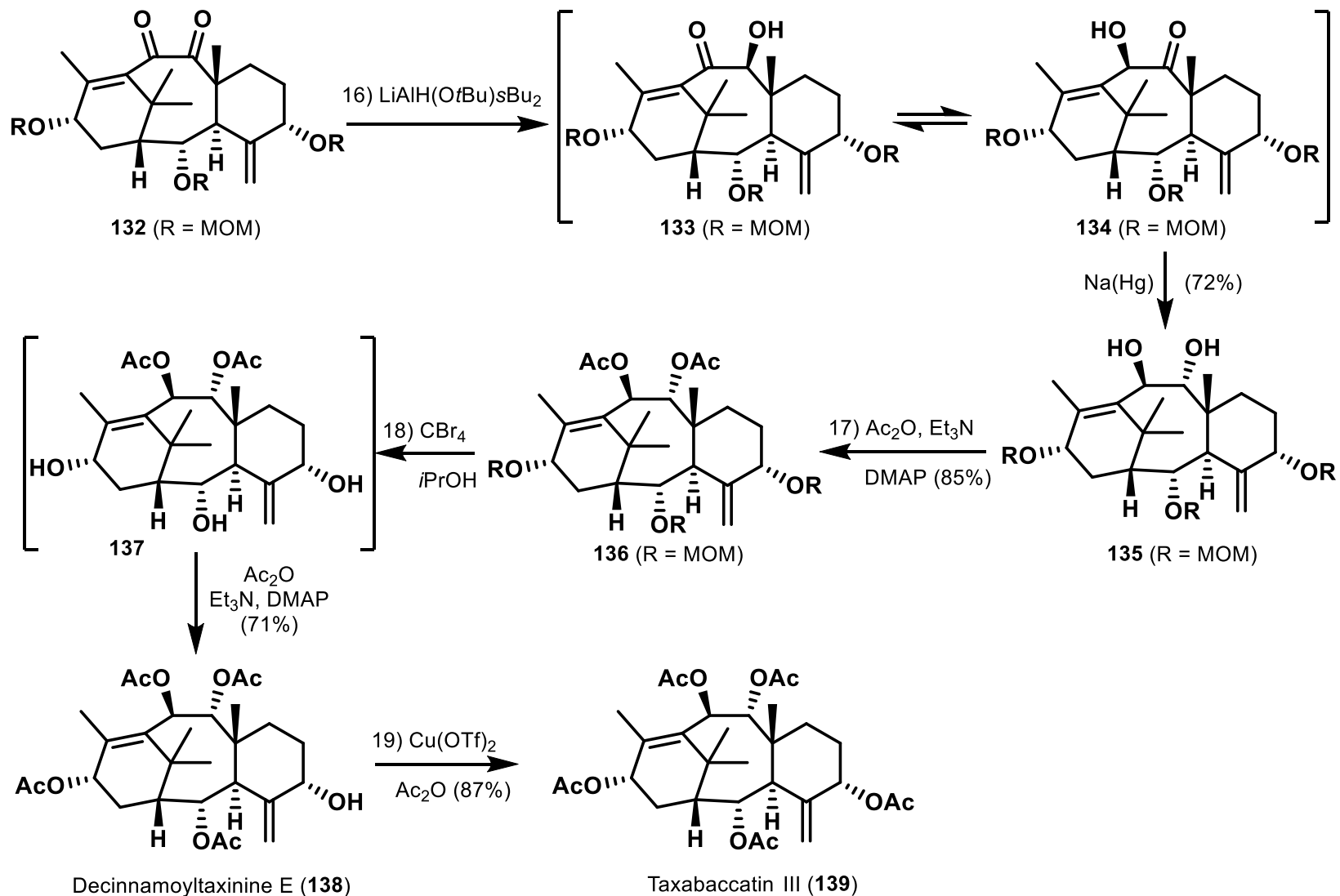
Total synthesis of phorbol



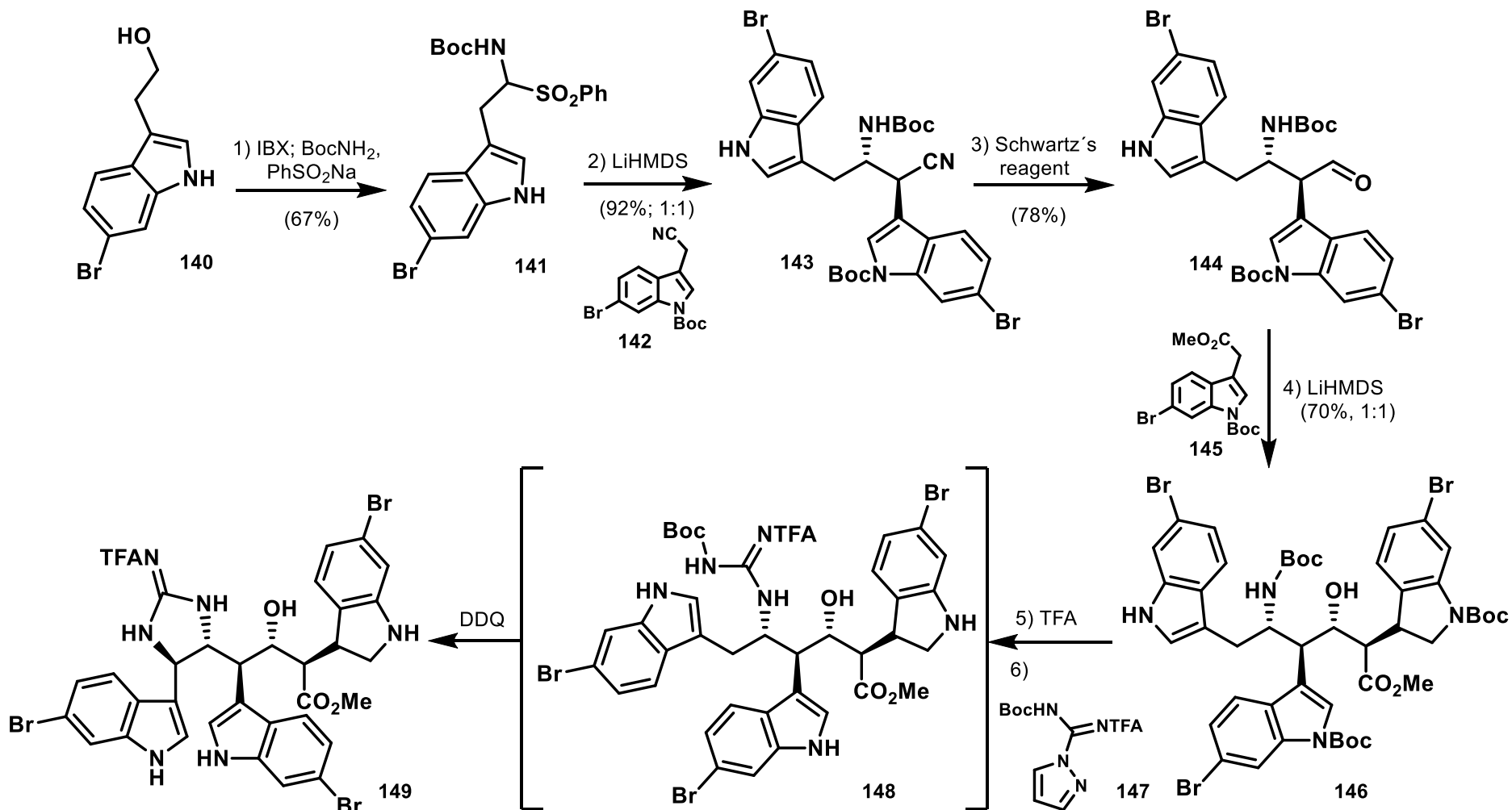
Total synthesis of taxabaccatin III



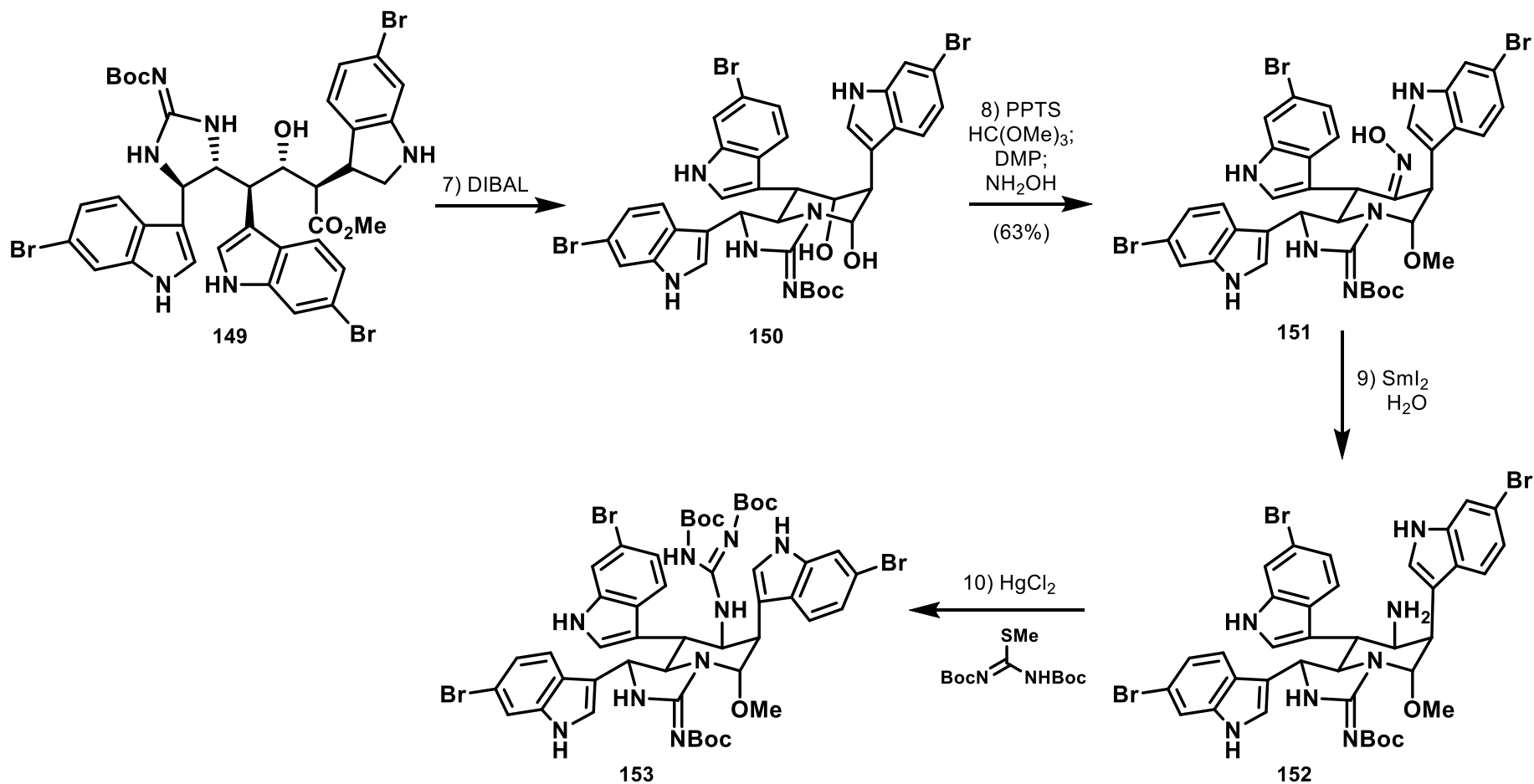
Total synthesis of taxabaccatin III



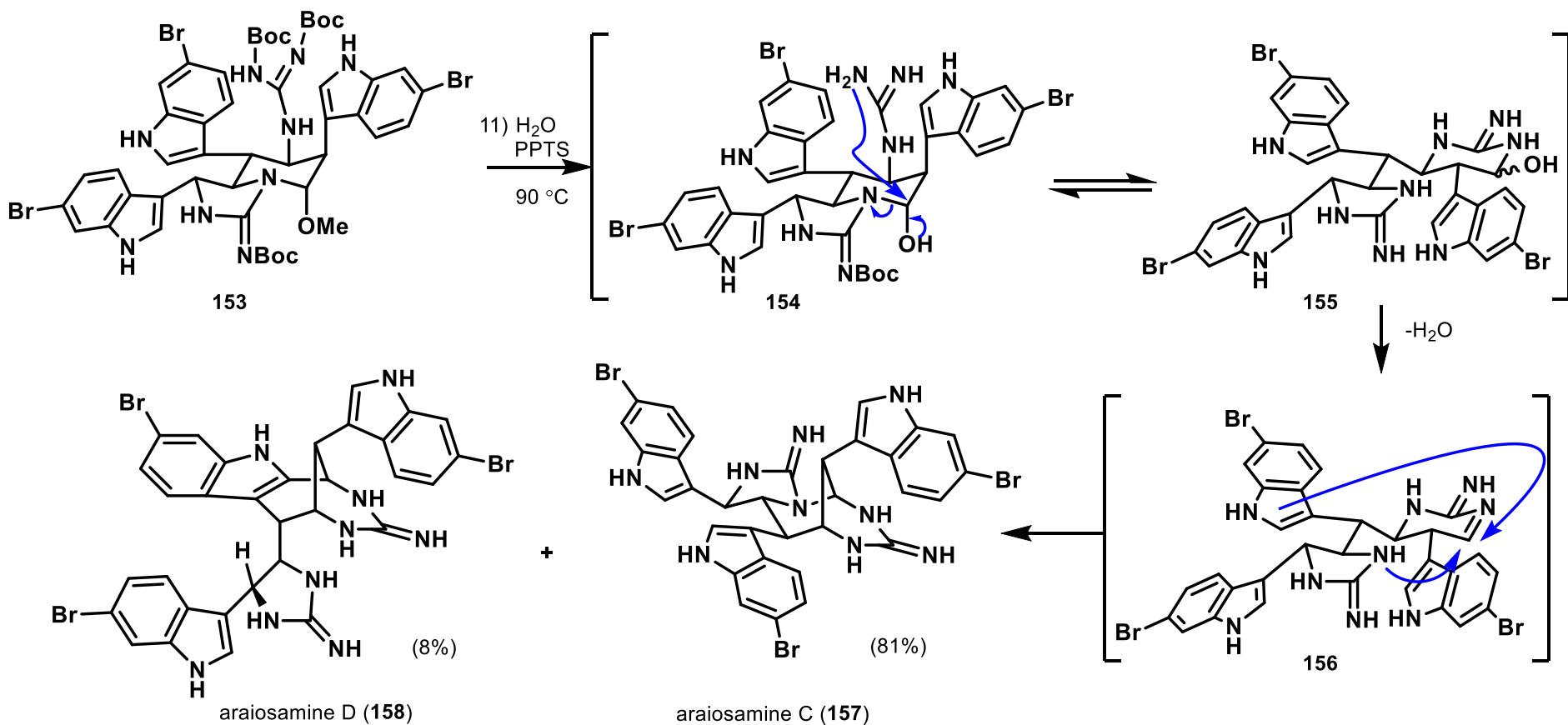
Total synthesis of araiosamine C and D



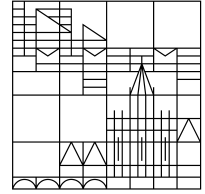
Total synthesis of araiosamine C and D



Total synthesis of araiosamine C and D

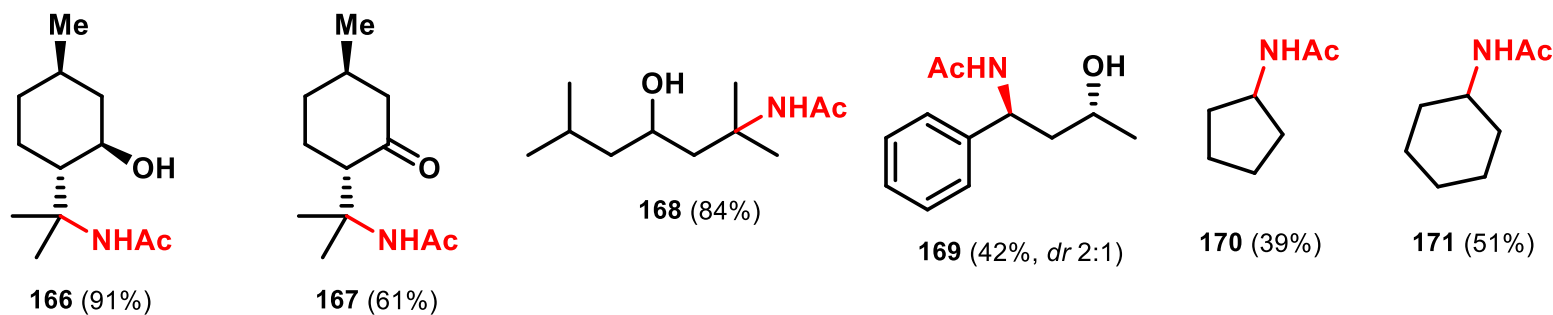
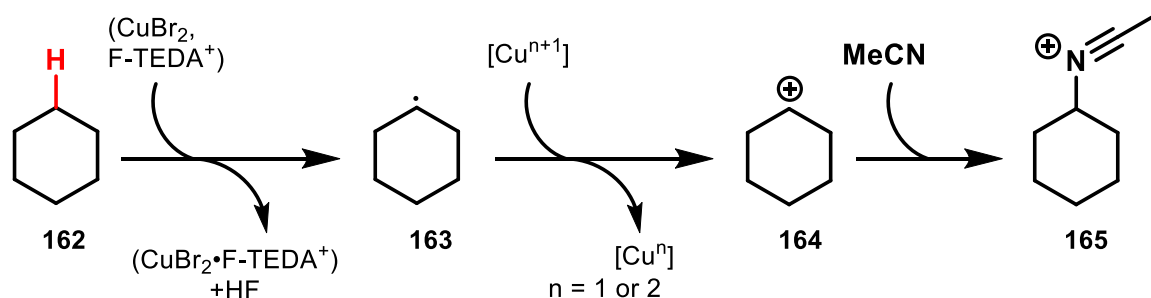
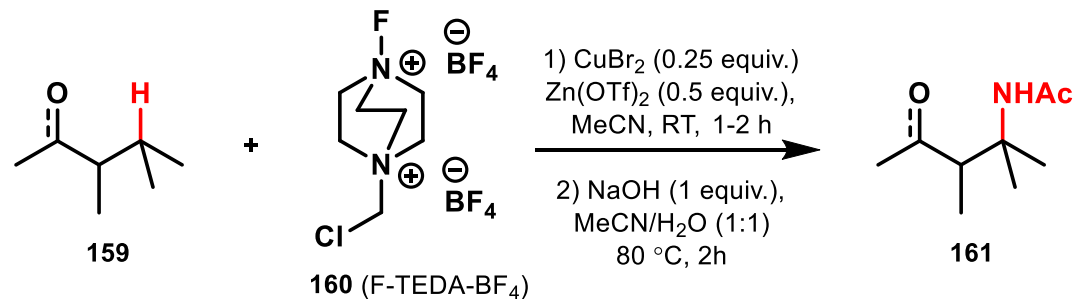


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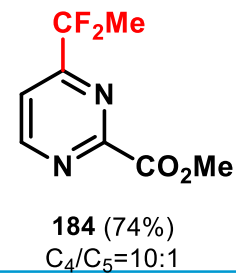
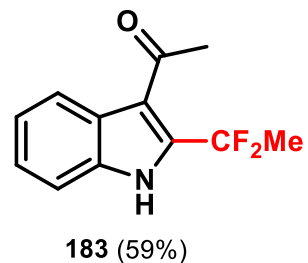
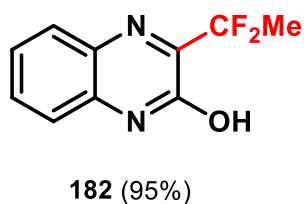
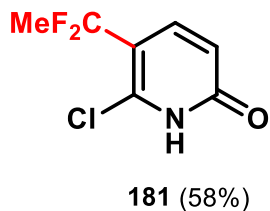
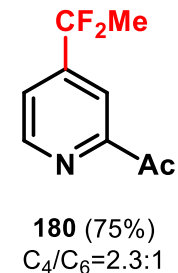
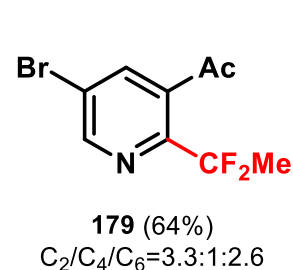
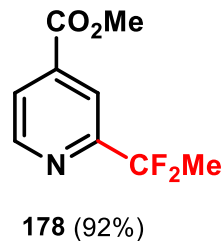
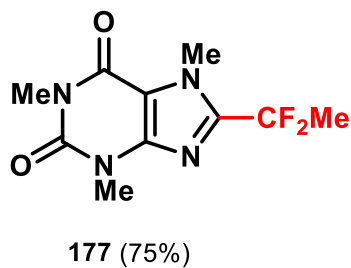
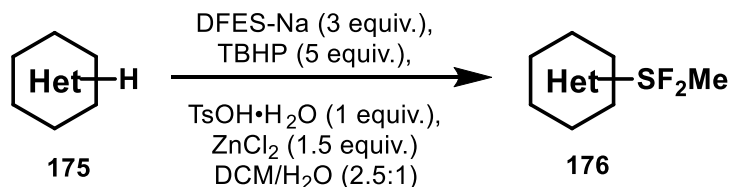
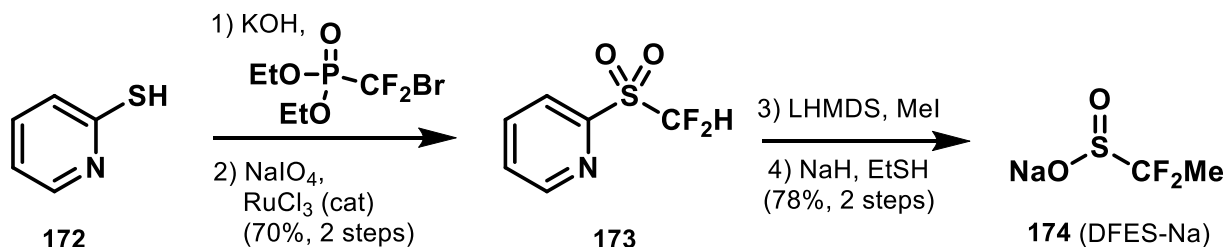


Methodology

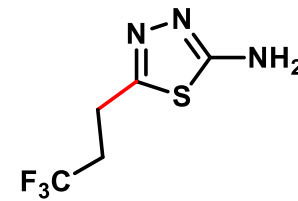
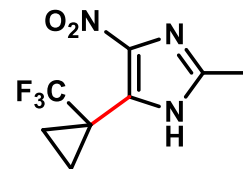
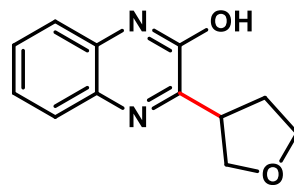
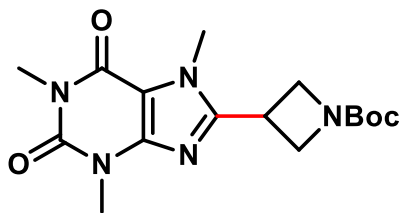
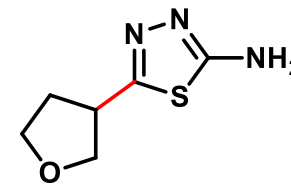
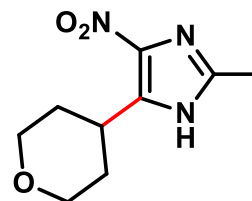
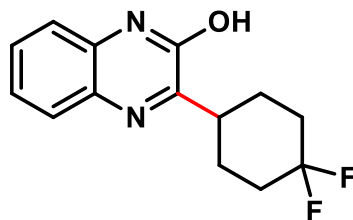
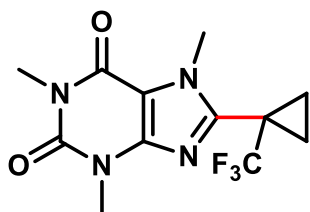
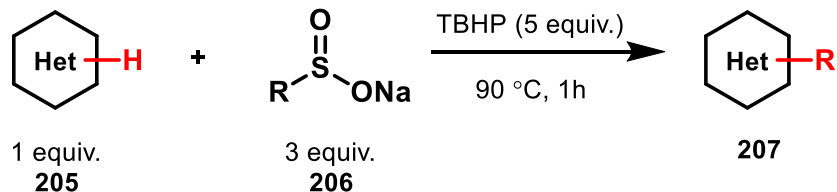
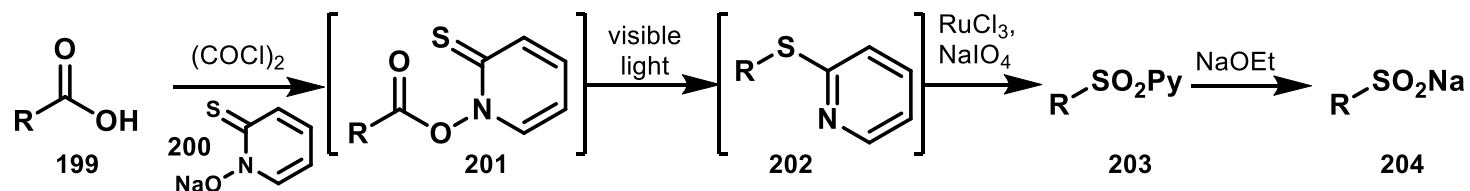
Intermolecular Ritter-type C-H amination



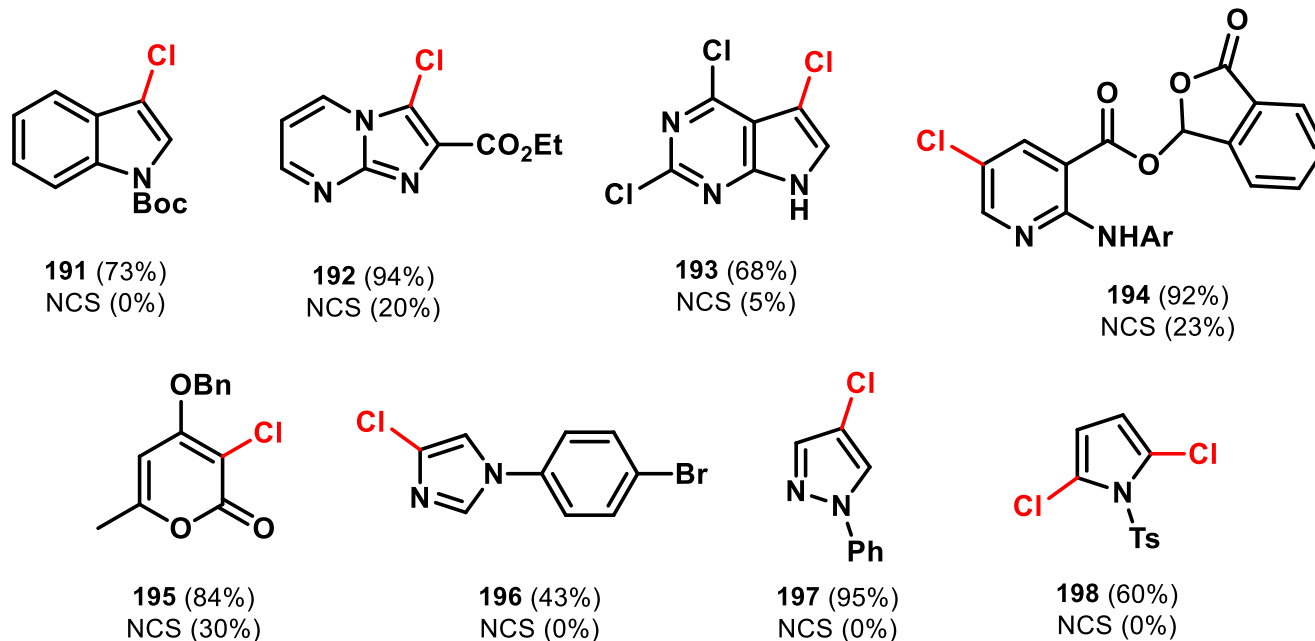
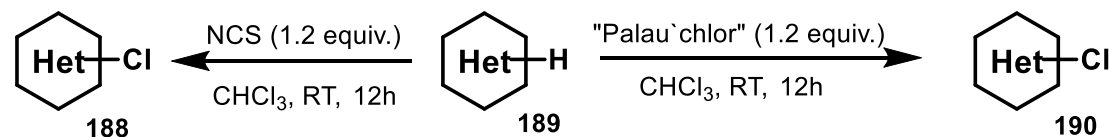
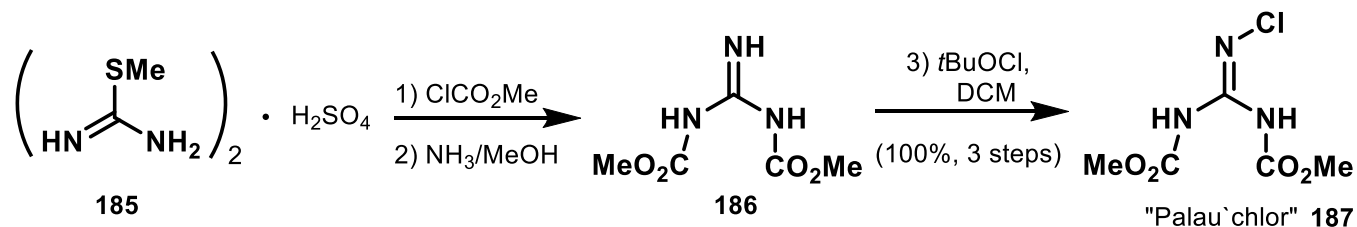
Reaction of sulfinates with heteroarenes



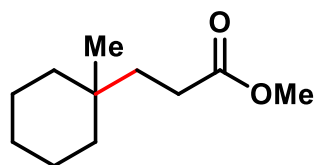
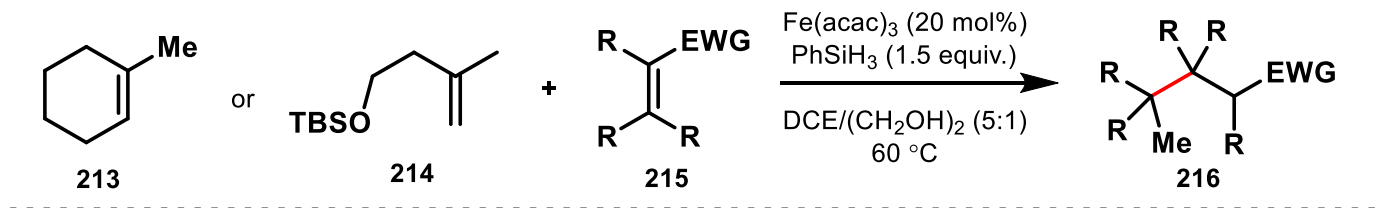
Reaction of sulfinates with heteroarenes



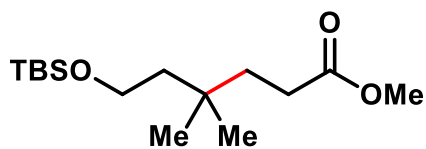
New chlorination reagent – palau'chlor



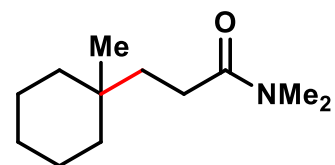
Catalytic reductive olefin coupling



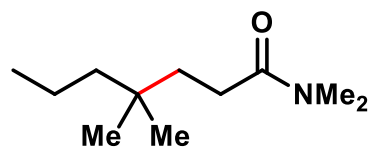
217 (74%)



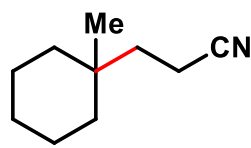
218 (81%)



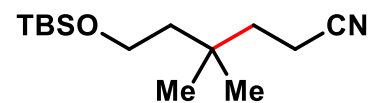
219 (64%)



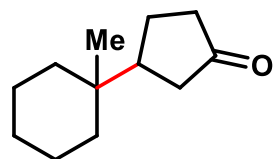
220 (70%)



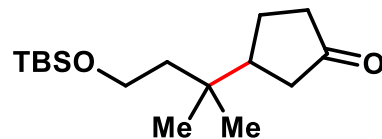
221 (71%)



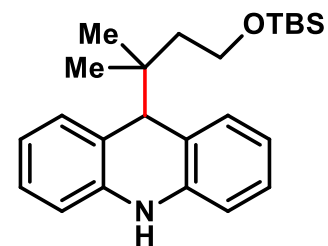
222 (81%)



223 (65%)

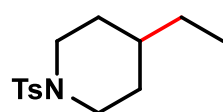
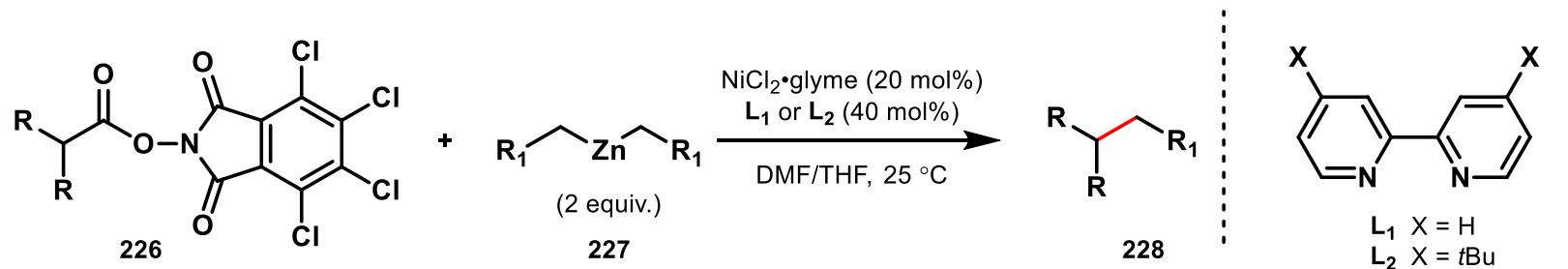


224 (60%)

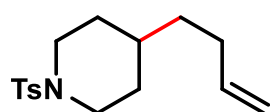


225 (48%)

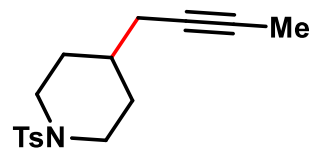
Alkyl-alkyl coupling of activated esters



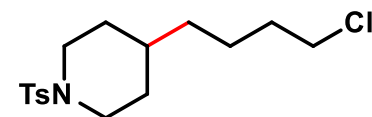
229 (79%)



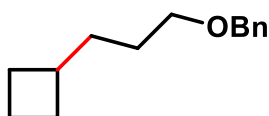
230 (76%)



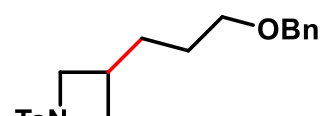
231 (79%)



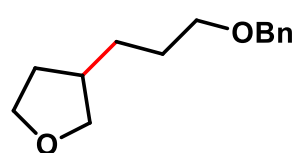
232 (79%)



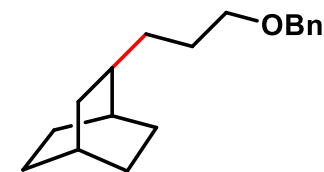
233 (75%)



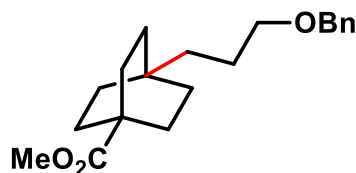
234 (46%)



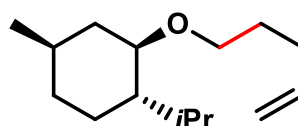
235 (66%)



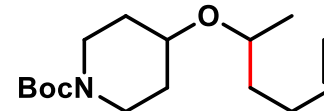
236 (66%)



237 (51%)

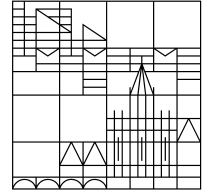


238 (62%)



239 (42%)

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Questions and Discussion