

Supplement S4: Detailed amounts of reactants and solvents in the synthesis of 17-hydroxymethyl-17-methyl-18-nor-5-androst-13-en-3-ols

Table S4-1: Reactants and solvents used in the methenylation of Etiocholanolone (**5**) or androsterone (**5a**)

	6	6a
Reagent		
Nysted (20 %)	14.2 mL	13.4 mL
THF	7.0 mL	7.0 mL
TiCl ₄	360 μL	330 μL
Precursor Steroid	5	5a
Amount of Steroid	43.0 mg	394 mg
HCl (2 M)	15 mL	25 mL
Ice-cold water	15 mL	25 mL
Diethyl ether	60 mL	100 mL

Table S4-2: Reactants and solvents used for epoxidation

	7	7a
Reagent		
Precursor Steroid	6	6a
DCM	5 mL	20 mL
KHCO ₃	44.5 mg	440 mg
m-CPBA	31.0 mg	370 mg
H ₂ O	10 mL	20 mL
DCM	20 mL	50 mL