Figure S1

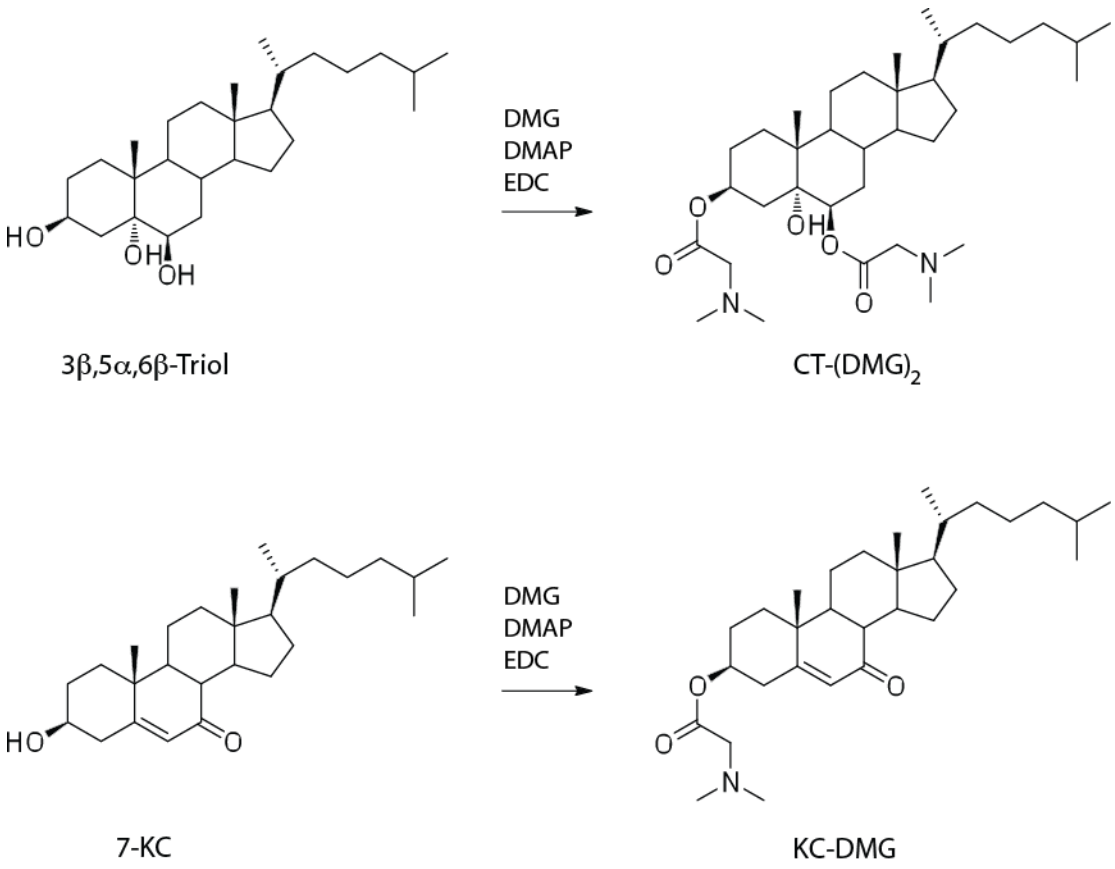
DMG
DMAP
EDC
HO
OH
OH
3β,5α,6β-Triol
CT-(DMG)2
DMG
DMAP
EDC
HO
O
7-KC
KC-DMG

Table S1. Branching ratio of 3β,5α,6β-triol and 7-KC in plasma and ULOQ samples

Sample	3β,5α,6β-triol		7-KC	
	Branching ratio	% Difference from ULOQ	Branching ratio	%Difference from ULOQ
Plasma-1	0.818	7.35	1.198	-8.06
Plasma-2	0.827	8.53	1.239	-4.91
Plasma-3	0.805	5.64	1.215	-6.75
Plasma-4	0.687	-9.84	1.228	-5.76
Plasma-5	0.779	2.23	1.233	-5.37
Plasma-6	0.691	-9.32	1.207	-7.37
ULOQ	0.762	0.00	1.303	0.00

Table S2. Dilution integration of 3β,5α,6β-triol and 7-KC in plasma

	3β,5α,6β-triol		7-KC	
dilution (n)	5x (3)	10x (3)	5x (3)	10x (3)
concentration (ng/ml)	811.8	811.8	820.1	820.1
mean	749	699	786	766
SD	23.7	20.5	18.9	11.6
%CV	3.2	2.9	2.4	1.5
%RE	-7.7	-14.0	-4.1	-6.6

Table S3. Stock solution and standard matrix stability data

Run ID	concentration (ng/ml)	3β,5α,6β-triol 400	7- KC 400
Stock solution, -20 °C for 42 days n=6	mean	379.3	387.7
	SD	10.1	13.7
	%CV	2.7	3.5
	%RE	-5.2	-3.1
Stock solution, bench-top at room temperature for 24 h n=3	mean	400.3	399.3
	SD	10.8	14.2
	%CV	2.7	3.6
	%RE	0.1	-0.2
Standard matrix, at -20°C for 42 days n=3	mean	351.3	344.7
	SD	7.2	5.5
	%CV	2.1	1.6
	%RE	-12.2	-13.8
Standard matrix, bench-top at room temperature for 24 h n=3	mean	388	392.3
	SD	6.2	6.5
	%CV	1.6	1.7
	%RE	-3	-1.9