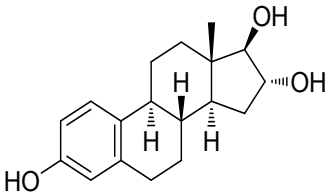
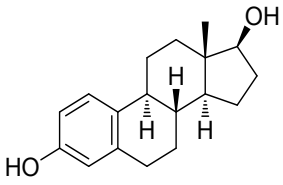
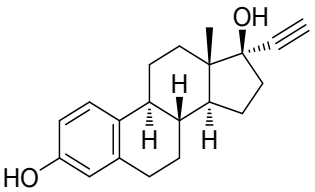
Fig. S1 Chemical structures of target compounds.



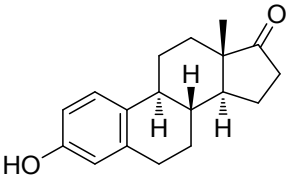
Estriol
(EST)



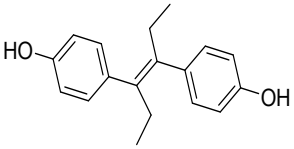
Estradiol
(E2)



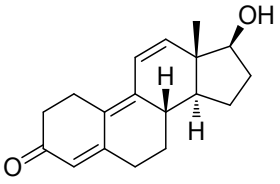
Ethynylestradiol
(EE2)



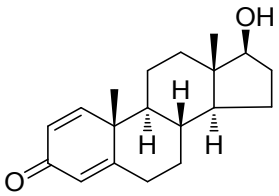
Estrone
(E1)



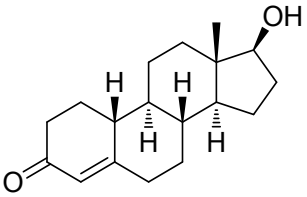
Diethylstilbestrol
(DES)



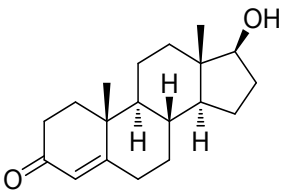
Trenbolone
(TB)



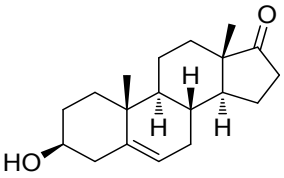
Boldenone
(BOL)



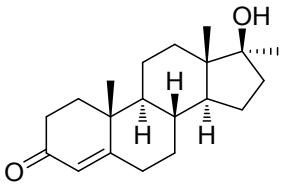
19- Nortestosterone
(19-NT)



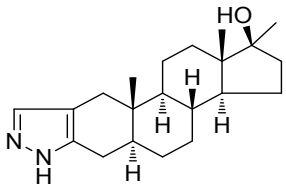
Testosterone
(T)



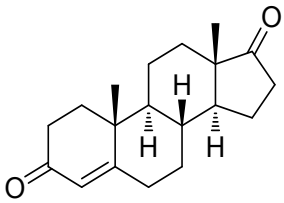
Dehydroepiandrosterone
(DHEA)



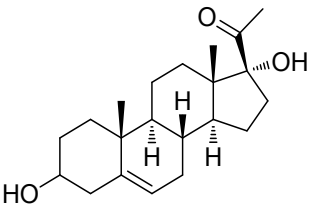
Methyltestosterone
(MT)



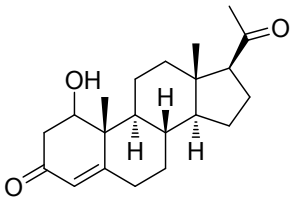
Stanozolol
(ST)



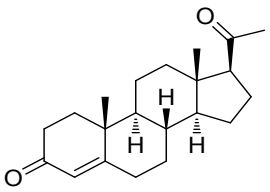
Androstenedione
(AN)



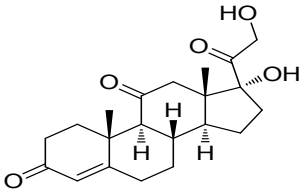
17-Hydroxypregnenolone
(Δ 5-17-OHP)



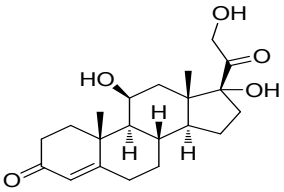
17-Hydroxyprogesterone
(17-OHP)



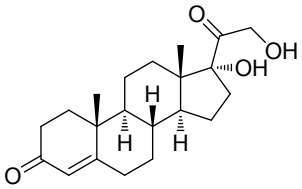
Progesterone
(P4)



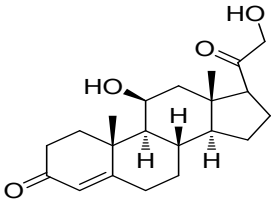
Cortisone



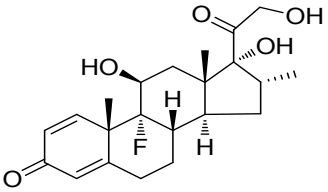
Hydrocortisone
(Hd)



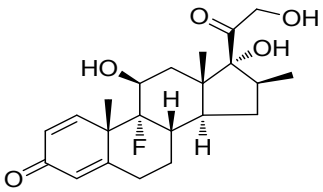
Cortexolone



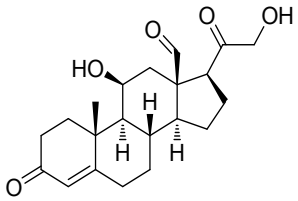
Corticosterone



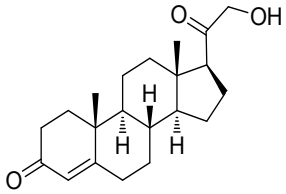
Dexamethasone
(Dex)



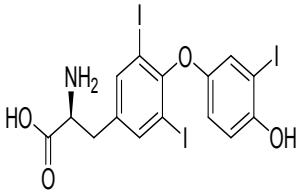
Betamethasone
(B)



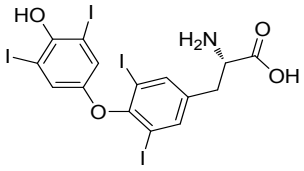
Aldosterone
(A)



21-Hydroxyprogesterone
(21-OHP)



3,3,5-Triiodo-L-Thyroxine
(T3)



L-Thyroxine
(T4)

Table S1 Analytical characteristics of the determination of EDCs for milk samples (n = 5)，RSD for inter-day precision.

Compound	ME (%)	LDR (ng/mL)	r^2	LOD (ng/mL)	LOQ (ng/mL)	Spiked (ng/mL)	Recovery (%)	RSD (%)
EST	119.2	1.0-100	0.9994	0.28	0.93	1.0, 5.0, 10.0	92.0-111.7	6.1-10.8
EST-d_3	117.9	5.0-100	0.9988	0.93	3.11	1.0, 5.0, 10.0	95.1-97.8	6.3-9.5
E2	112.4	20-100	0.9984	3.95	13.16	5.0, 10.0, 50.0	85.8-104.4	1.5-10.2
E2-d_3	102.2	1.0-100	0.9955	0.1	0.5	1.0, 5.0, 10.0	86.6-101.2	3.8-7.2
EE2	109.1	20-200	0.9961	4.44	14.79	5.0, 10.0, 50.0	88.3-119.2	2.8-7.9
E1	117.2	10-100	0.9996	1.81	6.02	2.0, 5.0, 10	74.9 -103.9	6.5 -9.0
DES	74.0	5.0-100	0.9987	0.76	2.52	1.0, 5.0, 10.0	82.4-101.6	4.9-8.3
TB	84.9	5.0-100	0.9994	0.75	2.51	1.0, 5.0, 10.0	73.0-89.3	3.5-8.9
BOL	91.3	1.0-100	0.9995	0.07	0.23	1.0, 5.0, 10.0	73.0-90.0	2.2-8.9
19-NT	84.5	5.0-100	0.9998	0.44	1.46	1.0, 5.0, 10.0	73.6-113.9	8.1-11.7
T	89.7	1.0-100	0.9998	0.22	0.73	1.0, 5.0, 10.0	82.2-90.8	7.5-12.7
DHEA	94.5	5.0-100	0.9946	0.66	2.21	1.0, 5.0, 10.0	85.9- 97.7	12.3-15.0
MT	83.0	5.0-100	0.9994	0.41	1.37	1.0, 5.0, 10.0	78.5-91.5	2.4-9.8
ST	87.6	1.0-100	0.9924	0.07	0.24	1.0, 5.0, 10.0	86.6-113.9	5.7-11.6
ST-d_3	80.3	5.0-100	0.9971	0.58	1.95	1.0, 5.0, 10.0	71.1-89.2	2.2-7.4
AN	81.2	1.0-100	0.9964	0.29	0.98	1.0, 5.0, 10.0	102.5-120.3	6.1-14.2
Δ5-17-OHP	117.5	1.0-100	0.9998	0.14	0.47	1.0, 5.0, 10.0	81.0-95.0	7.1-12.0
17-OHP	119.5	1.0-100	0.9984	0.04	0.13	1.0, 5.0, 10.0	76.1-89.3	6.6-7.2
P4-d_9	81.2	1.0-100	0.9999	0.11	0.38	1.0, 5.0, 10.0	110.2-118.5	3.5-5.1
P4	120.6	5.0-100	0.9936	0.34	1.13	1.0, 5.0, 10.0	114.6-120.5	2.5-4.2
Cortisone	80.9	5.0-100	0.9964	0.38	1.27	1.0, 5.0, 10.0	88.2-109.7	2.3-10.1

Hd	111.7	5.0-100	0.9947	1.48	4.93	1.0, 5.0, 10.0	96.5-107.4	3.6-14.3
Cortexolone	84.6	1.0-100	0.9971	0.16	0.53	1.0, 5.0, 10.0	79.9-99.0	4.3- 10.0
Corticosterone	83.1	5.0-100	0.9993	1.50	5.00	1.0, 5.0, 10.0	74.9-101.4	4.3-10.8
Dex	83.1	1.0-100	0.9965	0.27	0.89	1.0, 5.0, 10.0	69.1-104.6	3.2-9.7
B	86.7	1.0-100	0.9947	0.26	0.86	1.0, 5.0, 10.0	82.9-118.4	9.3-13.2
A	71.5	1.0-100	0.9946	0.15	0.50	1.0, 5.0, 10.0	79.4-96.5	2.7-10.3
21-OHP	86.5	1.0-100	0.9955	0.18	0.60	1.0, 5.0, 10.0	89.3-103.5	3.2-10.1
T3	110.1	1.0-100	0.9979	0.15	0.50	1.0, 5.0, 10.0	87.7-93.1	3.9-7.4
T4	110.6	5.0-100	0.9963	0.46	1.52	1.0, 5.0, 10.0	65.8-90.2	5.3-8.9