

Cell Line	Median	IQR	Shannon Index
MCF-7	-8.79	-8.92	-9.72
T47D	-10.02	-10.61	-10.76
BT474	-10.46	-11.07	-11.88
MDA-MB-453	-9.94	-9.91	-10.43
A549	-7.72	-7.77	-8.53
UMUC3	-10.33	-10.98	-11.10

Supplementary Table 1. LogEC₅₀ (M) values across cell lines and single cell indexes for DHT.

Code	CAS #	Name
A01	57-83-0	Progesterone
A02	446-72-0	Genistein
A03	789-02-6	o,p'-DDT
A04	68392-35-8	4-Hydroxytamoxifen
A05	10540-29-1	Tamoxifen
A06	85-68-7	Benzyl butyl phthalate
B01	520-18-3	Kaempferol
B02	65277-42-1	Ketoconazole
B03	72-43-5	Methoxychlor
B04	140-66-9	4-(1,1,3,3-Tetramethylbutyl)phenol
B05	50-28-2	17beta-Estradiol
B06	50-22-6	Corticosterone
C01	80-05-7	Bisphenol A
C02	84-74-2	Dibutyl phthalate
C03	66-81-9	Cycloheximide
C04	1912-24-9	Atrazine
C05	52-01-7	Spironolactone
C06	486-66-8	Daidzein
D01	599-64-4	4-Cumylphenol
D02	480-40-0	Chrysin
D03	72-55-9	p,p'-DDE
D04	53-16-7	Estrone
D05	521-18-6	5alpha-Dihydrotestosterone
D06	52-86-8	Haloperidol
E01	117-81-7	Di(2-ethylhexyl) phthalate
E02	77-40-7	Bisphenol B
E03	58-18-4	17-Methyltestosterone

E04	52806-53-8	Hydroxyflutamide
E05	330-55-2	Linuron
E06	60168-88-9	Fenarimol
F01	143-50-0	Kepone
F02	57-91-0	17alpha-Estradiol
F03	32809-16-8	Procymidone
F04	56-53-1	Diethylstilbestrol
F05	54965-24-1	Tamoxifen citrate
G01	82640-04-8	Raloxifene hydrochloride
G02	84-16-2	meso-Hexestrol
G03	13311-84-7	Flutamide
G04	115-32-2	Dicofol
G05	104-40-5	4-Nonylphenol
H01	520-36-5	Apigenin
H02	57-30-7	Phenobarbital sodium
H03	120-47-8	Ethylparaben
H04	50-55-5	Reserpine
H05	57-63-6	17alpha-Ethinylestradiol

Supplementary Table 2. List of the 45 EPA compounds used in HTM

Compound	Median	IQR	Shannon Index
Progesterone	-6.86	-6.96	-9.48
BBP	n.a.	n.a.	n.a.
17-methyltestosterone	-8.59	-8.56	-8.84
Hydroxyflutamide	-7.51	-7.19	-7.27
17a-E2	-5.94	-5.89	-6.88
Procymidone	n.a.	n.a.	n.a.

Supplementary Table 3. LogEC₅₀ values (M) across indexes for the compounds selected in **Figure 6** when treated alone

Compound	Median	IQR	Shannon Index
Progesterone	-5.77	-5.86	-5.67

BPP	-4.92	-6.12	-5.94
17-methyltestosterone	-6.47	-9.53	-6.72
Hydroxyflutamide	-5.87	-5.97	-5.86
17a-E2	-6.18	-6.71	-6.31
Procymidone	-5.98	-6.61	-6.15

Supplementary Table 4. LogEC₅₀ values (M) across indexes for the compounds selected in **Figure 6** when treated in combination with DHT.