

Supplementary file PONE-D-15-21369

S1. Testosterone metabolism in Caco-2/TC7 cells (CYP3A4)

Testosterone quantified based on HPLC-calibration

Treatment	Repeat	Testosterone (μg)				Averages				S.E.			
		Incubation time (h)				Incubation time (h)				Incubation time (h)			
		0	2	4	6	0	2	4	6	0	2	4	6
Control	1	1.331	0.996	0.892	0.831	1.330	1.024	0.888	0.806	0.025	0.014	0.002	0.030
	2	1.287	1.042	0.886	0.840								
	3	1.374	1.034	0.886	0.747								
Ketoconazole [10 μM]	1	1.331	1.293	1.157	1.047	1.330	1.275	1.173	1.109	0.025	0.011	0.010	0.036
	2	1.287	1.255	1.192	1.109								
	3	1.374	1.278	1.168	1.171								
Resveratrol [2.5 μM]	1	1.331	1.095	1.043	1.004	1.330	1.099	1.039	0.992	0.025	0.002	0.004	0.006
	2	1.287	1.101	1.031	0.984								
	3	1.374	1.100	1.041	0.987								
Resveratrol [5 μM]	1	1.331	1.104	1.015	1.009	1.330	1.097	1.015	0.992	0.025	0.008	0.003	0.009
	2	1.287	1.106	1.020	0.980								
	3	1.374	1.080	1.009	0.987								
Resveratrol [10 μM]	1	1.331	1.285	1.131	1.124	1.330	1.289	1.136	1.129	0.025	0.002	0.008	0.007
	2	1.287	1.289	1.125	1.120								
	3	1.374	1.291	1.152	1.143								

Treatment	Repeat	Testosterone (μg)				Averages				S.E.			
		Incubation time (h)				Incubation time (h)				Incubation time (h)			
		0	2	4	6	0	2	4	6	0	2	4	6
Control	1	1.331	0.996	0.892	0.831	1.330	1.024	0.888	0.806	0.025	0.014	0.002	0.030
	2	1.287	1.042	0.886	0.840								
	3	1.374	1.034	0.886	0.747								
Ketoconazole [10 μM]	1	1.331	1.293	1.157	1.047	1.330	1.275	1.173	1.109	0.025	0.011	0.010	0.036
	2	1.287	1.255	1.192	1.109								
	3	1.374	1.278	1.168	1.171								
Resveratrol aldehyde (RA) [2.5 μM]	1	1.331	1.115	0.948	0.881	1.330	1.133	0.963	0.841	0.025	0.010	0.012	0.020
	2	1.287	1.149	0.955	0.829								
	3	1.374	1.135	0.986	0.814								
Resveratrol aldehyde (RA) [5 μM]	1	1.331	1.165	1.087	1.020	1.330	1.156	1.084	0.996	0.025	0.012	0.002	0.018
	2	1.287	1.170	1.085	1.006								
	3	1.374	1.133	1.079	0.961								
Resveratrol aldehyde (RA) [10 μM]	1	1.331	1.206	1.045	0.982	1.330	1.260	1.041	0.972	0.025	0.045	0.002	0.011
	2	1.287	1.350	1.037	0.950								
	3	1.374	1.225	1.041	0.983								

Res_Statistics- Tukey letters			
Treatment	Incubation time (h)		
	2	4	6
Control	A	A	A
Resveratrol [2.5 μ M]	B	B	B
Resveratrol [5 μ M]	B	B	B
Resveratrol [10 μ M]	D	C	C
Ketoconazole [10 μ M]	D	C	C

RA_Statistics- Tukey letters			
Treatment	Incubation time (h)		
	2	4	6
Control	A	A	A
Resveratrol aldehyde [2.5 μ M]	CD	ABC	AB
Resveratrol aldehyde [5 μ M]	CDE	DE	CD
Resveratrol aldehyde [10 μ M]	F	CD	BCD
Ketoconazole [10 μ M]	F	EF	DEF