

Table e-1. Detailed Pharmacokinetics of Resveratrol and its Major Metabolites at Week 52

	Pharmacokinetics substudy			Population pharmacokinetics	
	C_{max} , plasma, ng/ml, mean (SE)	Calculated t_{max} , plasma, minutes	Calculated $t_{1/2}$, plasma, minutes	Plasma, ng/ml, mean (SE)	CSF, ng/ml, mean (SE)
Resveratrol	85 (53)	90	906	13 (3)	0.45 (0.14)
3G-RES	6157 (1978)	120	585	2204 (397)	8.3 (1.3)
4G-RES	7855 (3241)	120	1241	3167 (501)	11.2 (1.7)
S-RES	9307 (1273)	90	626	4109 (586)	12.6 (1.6)

Table e-2. ApoE Genotype May Affect Outcomes of Resveratrol Treatment

	CSF A β 40 ng/ml mean (SD) <i>N</i>		Plasma A β 40 ng/ml mean (SD) <i>N</i>		Brain Volume ml mean (SD) <i>N</i>		Ventricular Volume ml mean (SD) <i>N</i>	
	Baseline	Week 52	Baseline	Week 52	Baseline	Week 52	Baseline	Week 52
Total population								
Placebo	6560 (2190) <i>51</i>	5622 (1736) <i>31</i>	165 (55) <i>53</i>	132 (54) <i>42</i>	851 (99) <i>55</i>	840 (93) <i>44</i>	56 (19) <i>55</i>	76 (25) <i>44</i>
Resveratrol	6574 (2346) <i>60</i>	6513 (2279) <i>41</i>	163 (58) <i>64</i>	153 (54) <i>52</i>	866 (84) <i>64</i>	839 (85) <i>51</i>	55 (24) <i>64</i>	81 (24) <i>51</i>
p value		0.002		0.024		0.025		0.049
ApoE4 non-carriers								
Placebo	6339 (1709) <i>19</i>	5770 (1778) <i>13</i>	163 (57) <i>18</i>	131 (48) <i>16</i>	824 (109) <i>19</i>	820 (99) <i>17</i>	58 (18) <i>19</i>	78 (24) <i>17</i>
Resveratrol	5859 (2085) <i>18</i>	5937 (2156) <i>12</i>	152 (54) <i>19</i>	134 (52) <i>15</i>	877 (76) <i>19</i>	848 (86) <i>15</i>	62 (27) <i>19</i>	80 (31) <i>15</i>
p value		0.006		0.78		0.49		0.29
ApoE4 carriers								
Placebo	6692 (2448) <i>32</i>	5515 (1749) <i>18</i>	166 (55) <i>35</i>	132 (57) <i>28</i>	865 (91) <i>36</i>	849 (89) <i>28</i>	54 (20) <i>36</i>	76 (25) <i>28</i>
Resveratrol	6881 (2408) <i>42</i>	6663 (2333) <i>30</i>	168 (60) <i>45</i>	157 (54) <i>39</i>	861 (88) <i>45</i>	835 (84) <i>38</i>	51 (22) <i>45</i>	83 (23) <i>37</i>
p value		0.047		0.038		0.023		0.048

ITT analyses, p values from Wilcoxon Rank-Sum Test. Significant differences between groups are indicated by grey cells.