

**Table S3.** Median inhibitory concentrations of wastewaters obtained from different Roses species in non-tumorigenic and tumorigenic cell lines after 48 h of incubation.

Roses WW Cell line/Model parameters	<i>WW from Rosa centifolia</i>	<i>WW from Rosa gallica</i>	<i>WW from Rosa damascena</i>	<i>WW from Rosa alba</i>
<b>HEP-G2</b>				
HillSlope	0.885	3.023	0.919	1.176
<i>IC</i> <sub>50</sub>	<b>1.44/112</b>	<b>2.131/164</b>	<b>3.338/240</b>	<b>1.564/119</b>
R (correlation coefficient)	0.94	0.99	0.96	0.93
<b>HaCaT</b>				
HillSlope	0.756	0.949	1.125	0.844
<i>IC</i> <sub>50</sub>	<b>0.618/48</b>	<b>0.876/67</b>	<b>1.38/99</b>	<b>0.835/63</b>
R (correlation coefficient)	0.90	0.92	0.90	0.89
<b>A-375</b>				
HillSlope	1.163	1.804	1.313	1.376
<i>IC</i> <sub>50</sub>	<b>0.531/41</b>	<b>0.787/61</b>	<b>0.737/53</b>	<b>0.633/48</b>
R (correlation coefficient)	0.91	0.92	0.92	0.90
<b>A-431</b>				
HillSlope	0.941	0.901	1.185	1.138
<i>IC</i> <sub>50</sub>	<b>0.457/36</b>	<b>0.615/47</b>	<b>0.905/65</b>	<b>0.71/54</b>
R (correlation coefficient)	0.92	0.90	0.91	0.93

**Legend:** HEP-G2 – liver adenocarcinoma (stage I); HaCaT – normal human keratinocytes; A-375 – malignant melanoma; A-431 – epidermoid carcinoma of the skin; HillSlope – Slope factor or Hill slope, unitless; *IC*<sub>50</sub> – median inhibitory concentration; \*volumetric concentration [%]; \*\*concentration of polyphenols [GAE, µg/mL].