

Supplementary Material

Table S1 – Concentrations of the six variants of SLE_nS causing 10, 25, 50 and 90% of effect (LC₁₀, LC₂₅, LC₅₀, LC₉₀), and respective 95% confidence limits within parenthesis, after 24 and 48 h of exposure, for the MTT and resazurin (RES) assay.

Assay		SLE ₀ S	SLE ₁ S	SLE ₄ S	SLE ₁₁ S	SLE ₃₀ S	SLE ₅₀ S
24 h							
LC ₁₀	MTT	0.404 (0.380- 0.426)	0.377 (0.326- 0.420)	0.218 (NC- 0.264)	0.287 (NC- 0.338)	0.361 (0.336- 0.386)	0.430 (0.392- 0.464)
	RES	0.527 (0.413- 0.655)	0.617 (0.0.541- 0.0.675)	0.627 (0.579- 0.689)	0.672 (0.578- 0.781)	0.703 (0.681- 0.741)	0.790 (0.742- 0.841)
LC ₂₅	MTT	0.427 (0.405- 0.449)	0.411 (0.362- 0.455)	0.301 (0.268- 0.334)	0.382 (0.345- 0.416)	0.415 (0.434- 0.394)	0.475 (0.44- 0.506)
	RES	0.536 (0.416- 0.666)	0.628 (0.553- 0.696)	0.653 (0.599- 0.724)	0.686 (0.588- 0.795)	0.719 (0.692- 0.761)	0.816 (0.760- 0.882)
LC ₅₀	MTT	0.467 (0.444- 0.494)	0.475 (0.427- 0.532)	0.398 (0.369- 0.425)	0.486 (0.456- 0.515)	0.488 (0.470- 0.505)	0.554 (0.520- 0.591)
	RES	0.557 (0.420- NC)	0.665 (0.575- 0.765)	0.718 (0.634- 0.827)	0.716 (0.659- 0.841)	0.754 (0.711- 0.806)	0.969 (0.803- NC)
LC ₉₀	MTT	0.575 (0.522- 0.633)	0.659 (0.556- 0.791)	0.651 (0.584- 0.726)	0.723 (0.664- 0.789)	0.682 (0.638- 0.729)	0.788 (0.704- 0.889)
	RES	-	-	-	-	-	-

Table S1 (Cont) – Concentrations of the six variants of SLE_nS causing 10, 25, 50 and 90% of effect (LC₁₀, LC₂₅, LC₅₀, LC₉₀), and respective 95% confidence limits within parenthesis, after 24 and 48 h of exposure, for the MTT and resazurin (RES) assay.

Assay		SLE ₀ S	SLE ₁ S	SLE ₄ S	SLE ₁₁ S	SLE ₃₀ S	SLE ₅₀ S
48 h							
LC ₁₀	MTT	0.385	0.468	0.288	0.436	0.410	0.438
		(0.358- 0.408)	(0.417- 0.513)	(0.254- 0.320)	(0.401- 0.467)	(0.333- 0.434)	(0.405- 0.469)
	RES	0.494	0.610	0.585	0.651	0.629	0.732
		(0.389- 0.687)	(0.568- 0.649)	(0.565- 0.611)	(0.571- 0.732)	(0.595- 0.667)	(0.709- 0.761)
LC ₂₅	MTT	0.407	0.497	0.334	0.466	0.448	0.474
		(0.385- 0.432)	(0.448- 0.545)	(0.301- 0.364)	(0.432- 0.500)	(0.398- 0.492)	(0.442- 0.509)
	RES	0.543	0.621	0.598	0.661	0.656	0.747
		(0.429- 0.711)	(0.576- 0.661)	(0.576- 0.625)	(0.577- 0.742)	(0.620- 0.700)	(0.720- 0.778)
LC ₅₀	MTT	0.442	0.552	0.417	0.524	0.517	0.548
		(0.419- 0.478)	(0.500- 0.616)	(0.385- 0.452)	(0.485- 0.573)	(0.468- 0.576)	(0.508- 0.595)
	RES	0.597	0.645	0.625	0.680	0.715	0.781
		(0.467- 0.756)	(0.590- 0.690)	(0.595- 0.656)	(0.662- 0.763)	(0.665- 0.775)	(0.743- 0.819)
LC ₉₀	MTT	0.542	0.715	0.690	0.749	0.731	0.789
		(0.474- 0.616)	(0.604- 0.899)	(0.602- 0.793)	(0.628- NC)	(0.612- 0.931)	(0.691- 0.918)
	RES	-	-	-	-	-	-
		-	-	-	-	-	-

Table S2 – p-Values concerning two-way ANOVA followed by Tukey's multiple comparisons test to distinguish differences between exposure times (significant differences in bold, $p < 0.05$).

	Assay	SLE ₀ S	SLE ₁ S	SLE ₄ S	SLE ₁₁ S	SLE ₃₀ S	SLE ₅₀ S
		24h vs 48 h					
<i>p</i>	MTT	>0.05	0.0244	>0.05	<0.0001	>0.05	>0.05
	RES	>0.05	>0.05	>0.05	>0.05	>0.05	>0.05

Table S3 – Parameters of the linear regressions performed between median lethal concentrations and the number of EO units (significant differences are in bold: $p < 0.05$) and of the Pearson correlations performed between cell viability measured with MTT and resazurin methods.

Linear Regression	MTT		RES		Pearson Correlation	MTT vs RES	
	24h	48h	24h	48h		24h	48h
<i>r</i>	0.774	0.551	0.914	0.963	<i>r</i>	0.631	0.688
<i>p</i>	0.071	0.301	0.011	0.002	<i>p</i>	0.179	0.131