Supplementary Information

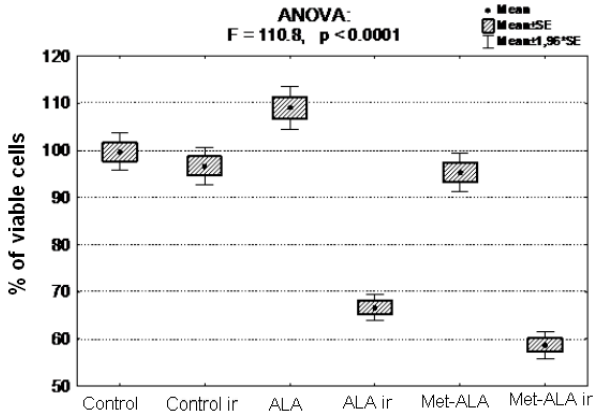

Figure S1. Percent of viable cells determined by MTT assay. All values are presented using multiple comparisons ANOVA test. Paired samples were compared using the Tukey HSD *post-hoc* test (Table S1) $p < 0.05$ was considered statistically significant. Photodynamic therapy by means of 5-ALA or its methyl ester (Met-ALA) decreased the viability of SW620 cells. Cells were treated with equal concentration of above precursors for 4 h (5-ALA, Met-ALA) and then irradiated with 4.5 J/cm^2 at 630 ± 20 nm (ir, irradiation). Cell viability was measured after 24 h following the irradiation.

Table S1. Tukey HSD *post-hoc* test of MTT assay.

Probes	**{1}** ***M* = 100**	**{2}** ***M* = 97**	**{3}** ***M* = 109**	**{4}** ***M* = 67**	**{5}** ***M* = 95**	**{6}** ***M* = 59**
{1} Control		$p = 0.868$	**$p = 0.043$**	**$p < 0.001$**	$p = 0.611$	**$p < 0.001$**
{2} Control ir	$p = 0.868$		**$p = 0.007$**	**$p < 0.001$**	$p = 0.996$	**$p < 0.001$**
{3} ALA	**$p = 0.043$**	**$p = 0.007$**		**$p < 0.001$**	**$p = 0.003$**	**$p < 0.001$**
{4} ALA ir	**$p < 0.001$**	**$p < 0.001$**	**$p < 0.001$**		**$p < 0.001$**	$p = 0.096$
{5} Met-ALA	$p = 0.611$	$p = 0.996$	**$p = 0.003$**	**$p < 0.001$**		**$p < 0.001$**
{6} Met-ALA ir	**$p < 0.001$**	**$p < 0.001$**	**$p < 0.001$**	$p = 0.096$	**$p < 0.001$**	

M, mean; **marked** differences are significant at $p < 0.05$.

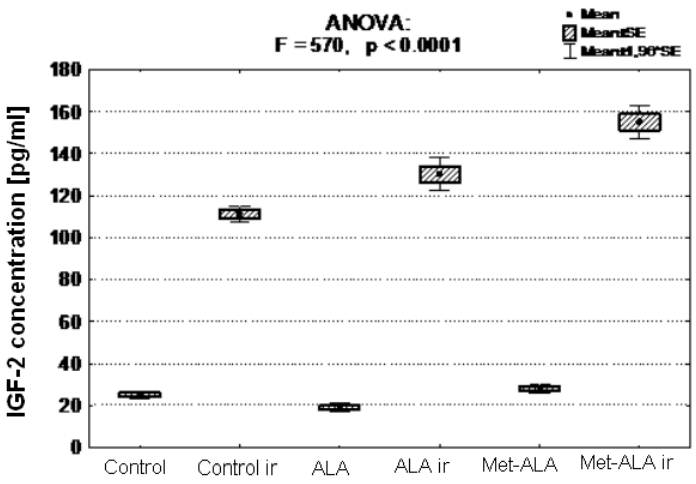

Figure S2. Results from ELISA test performed on SW620 human colon cancer cells exposed to 3 mM 5-ALA or met-ALA and 4.5 J/cm^2 light or left without a light treatment, and in control cells (no precursor, no light) or light only. A significant increase in IGF-2 concentration was found after PDT and light only ($p < 0.05$). Statistical analysis were preformed using multiple comparisons ANOVA test. Paired samples were compared using the Tukey HSD *post-hoc* test (Table S2) $p < 0.05$ was considered statistically significant. Data are presented as means with 5% statistical error from 2 experiments. ir, irradiation.

Table 2. Tukey HSD *post-hoc* test.

Probes	**{1}** ***M*** **= 25**	**{2}** ***M*** **= 111**	**{3}** ***M*** **= 19**	**{4}** ***M*** **= 130**	**{5}** ***M*** **= 28**	**{6}** ***M*** **= 155**
{1} Control		**$p < 0.001$**	$p = 0.594$	**$p < 0.001$**	$p = 0.950$	**$p < 0.001$**
{2} Control ir	**$p < 0.001$**		**$p < 0.001$**	**$p = 0.014$**	**$p < 0.001$**	**$p < 0.001$**
{3} ALA	$p = 0.594$	**$p < 0.001$**		**$p < 0.001$**	$p = 0.257$	**$p < 0.001$**
{4} ALA ir	**$p < 0.001$**	**$p = 0.014$**	**$p < 0.001$**		**$p < 0.001$**	**$p = 0.004$**
{5} Met-ALA	$p = 0.950$	**$p < 0.001$**	$p = 0.257$	**$p < 0.001$**		**$p < 0.001$**
{6} Met-ALA ir	**$p < 0.001$**	**$p < 0.001$**	**$p < 0.001$**	**$p = 0.004$**	**$p < 0.001$**	

M, mean; **marked** differences are significant at $p < 0.05$.