

Supplemental Information

I. Cellular Cytotoxicity Assay

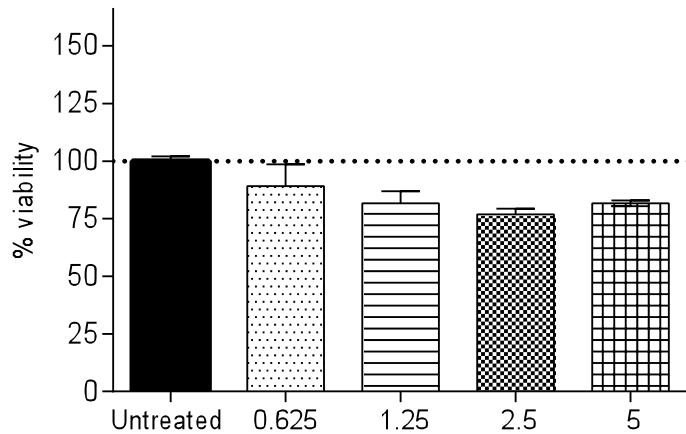


Figure 1S. Curc-np induce minimal cytotoxicity of keratinocytes. PAM212 keratinocytes were incubated with a range of curc-np concentrations (0.625-5mg/ml) and analyzed for metabolic activity using fluorescein diacetate (FDA) assay. After 24 hours, curc-np 0.625 mg/ml treated cells showed no significant difference compared to untreated control ($p > 0.05$), while curc-np 5mg/ml treated cells exhibited 81.7% viability compared to untreated control ($p \leq 0.005$, Student's *t*-test). Data are expressed by mean percentage as compared to untreated cells and are composite of three independent experiments \pm SEM.

II. Keratinocyte Migration Assay

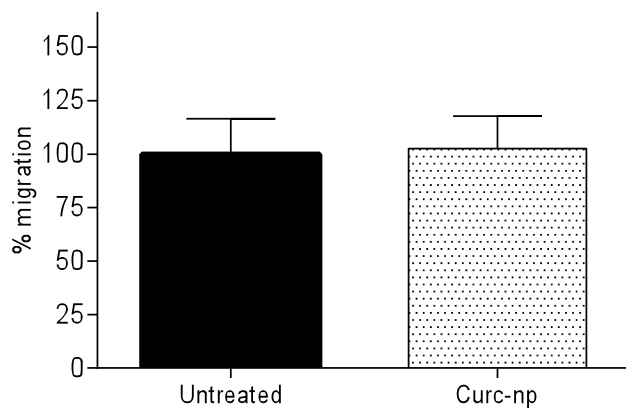


Figure 2S. Curc-np does not influence ke ratinocyte migration. No significant difference in relative wound area recovery was observed between untreated and curc-np-treated keratinocytes at 24 hours post-administration of scratch to cell monolayer ($p > 0.05$, Student's *t*-test). Data is a composite of three independent experiments. Error bars denote SEM.