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(54) Title: PHOTOPROTECTIVE COMPOSITIONS CONTAINING *MALASSEZIA*-DERIVED COMPOUNDS AND/OR CHEMI-
CAL ANALOGS THEREOF

(57) Abstract: The present invention relates to compounds, compositions, and methods for modulating skin pigmentation and treating or preventing UV-induced skin damage, erythema, aging of the skin, sunburn, and hyperpigmentation in a subject. The compounds, compositions, and methods of the present invention generally involve *Malassezia*-derived compounds, including malassezin and indirubin, and/or chemical analogs thereof. Other applications of the compounds and compositions disclosed herein include, but are not limited to, improving hyperpigmentation caused by a hyperpigmentation disorder, inducing melanocyte apoptosis, and modulating atyl-hydrocarbon receptor (AhR) activity, melanogenesis, melanin production, melanosome biogenesis, melanosome transfer, melanocyte activity, and melanin concentration.



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