

# Dihydropyridazine antioxidant sunscreens that signals depletion with bleaching of fluorescence

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## Technology description

### Invention

The invention is a UVA and UVB absorbent with dihydropyridazine purposed to act as a sunscreen antioxidant.

### Background

Commercial sunscreens, which aim to prevent the development of skin cancers and melanoma, compete to minimize UV damage while allowing user to apply on either dry or wet skin. Unfortunately, it is difficult to effectively gauge whether the sunscreen's formula has been depleted on the skin. This invention addresses this issue of depletion via photo bleaching of visible fluorescence.

## Application area

### Sunscreen products

UV blocking agents for polymers or paints

## Advantages

### Colorless

Use of silane monomers, which make protective coatings

## Institution

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