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**Anthraquinone Derivatives as Organic Stabilizers for Rigid Poly
(vinyl chloride) Against Photo-Degradation**

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Anthraquinone derivatives have been prepared and investigated as photo-stabilizers for rigid PVC by measuring the extent of weight loss (%), the amount of gel formation as well as the intrinsic viscosity of the soluble fractions of the degraded polymer. The results indicated a reasonable stabilizing effect of these derivatives compared with UV-commercially used stabilizers. A synergistic effect is achieved when the Anthraquinone derivatives are mixed with UV-absorbers in a weight ratio of 75 % of investigated organic stabilizer and 25 % of reference stabilizer. A probable radical mechanism is proposed to account for the stabilizing action of the organic investigated materials.