

1. Record Nr.	UNINA9911019228103321
Titolo	Photosensitizing compounds : their chemistry, biology and clinical use
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, 1989
ISBN	9786612122361 9781282122369 1282122363 9780470513842 0470513845 9780470513859 0470513853
Descrizione fisica	1 online resource (252 p.)
Collana	Ciba Foundation symposium ; ; 146
Disciplina	615.8/31
Soggetti	Photosensitizing compounds - Therapeutic use - Testing Photosensitizing compounds Cancer - Photochemotherapy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Wiley-Interscience publication."
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	PHOTOSENSITIZING COMPOUNDS: THEIR CHEMISTRY, BIOLOGY AND CLINICAL USE; Contents; Introduction; What are the ideal photoproperties for a sensitizer?; The chemistry, photophysics and photosensitizing properties of phthalocyanines; General discussion : Comparison of haematoporphyrin derivative and new photosensitizers; Porphyrins as photosensitizers; Photodynamic therapy: light delivery and dosage for second-generation photosensitizers; In vivo transport and pharmacokinetic behaviour of tumour photosensitizers; Intracellular localization of photosensitizers Tissue localization of photosensitizers and the mechanism of photodynamic tissue destruction Immunosuppression in phototherapy; Effects of porphyrins on skin; Photosensitizing compounds in the treatment of psoriasis; Extracorporeal photochemotherapy in the treatment of cutaneous T cell lymphoma and autoimmune disorders affecting the skin; Photodynamic therapy of early-stage lung cancer;

Long-term experience with integral photodynamic therapy of TIS bladder carcinoma; Photoradiation therapy of brain tumours; Final general discussion : Drug and light doses for photodynamic therapy
Chairman's summing-up|Index of contributors; Subject index

Sommario/riassunto

Certain organic compounds can become toxic to biological tissue when activated by light. Many medical applications of this effect have been studied over the past twenty years, and This symposium brings together chemists, biologists, and clinicians to discuss the basic chemistry of the sensitizing compounds, their biological effects, and clinical applications in treatments of various cancers and skin disorders.
