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CA 2452845 C 2011/03/29

(11)(21) **2 452 845**

(12) **BREVET CANADIEN
CANADIAN PATENT**

(13) **C**

(86) Date de dépôt PCT/PCT Filing Date: 2002/06/18
(87) Date publication PCT/PCT Publication Date: 2003/01/16
(45) Date de délivrance/Issue Date: 2011/03/29
(85) Entrée phase nationale/National Entry: 2004/01/02
(86) N° demande PCT/PCT Application No.: US 2002/019184
(87) N° publication PCT/PCT Publication No.: 2003/004466
(30) Priorité/Priority: 2001/07/03 (US09/898,809)

(51) Cl.Int./Int.Cl. *A61K 41/00* (2006.01),
A61K 47/48 (2006.01), *C07D 277/64* (2006.01),
C07D 487/22 (2006.01), *C09B 23/16* (2006.01),
C09B 47/04 (2006.01), *C09B 62/00* (2006.01)
(72) Inventeurs/Inventors:
RAJAGOPALAN, RAGHAVAN, US;
ACHILEFU, SAMUEL I., US;
BUGAJ, JOSEPH E., US;
DORSHOW, RICHARD B., US
(73) Propriétaire/Owner:
MALLINCKRODT INC., US
(74) Agent: OSLER, HOSKIN & HARCOURT LLP

(54) Titre : SULFENATES COLORANTS UTILISES DANS LA DOUBLE PHOTOTHERAPIE
(54) Title: DYE-SULFENATES FOR DUAL PHOTOTHERAPY

(57) **Abrégé/Abstract:**

The present invention discloses dye-sulfenate derivatives and their bioconjugates for dual phototherapy of tumors and other lesions. The compounds of the present invention may contain either a mixture of type 1 and type 2 agents or a single entity that integrates both units in the same molecules. The compounds are designed to produce both type 1 and type 2 phototherapeutic effect at once using dual wavelength light source that will produce singlet oxygen and free radicals at the lesion of interest.

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DYE-SULFENATES FOR DUAL PHOTOTHERAPY

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation-in-part of U.S.

Patent No. 6,395,257, titled Dendrimer Precursor Dyes for

Imaging, filed on January 18, 2000, having the same inventors and assignee

5 as the present invention.

FIELD OF THE INVENTION

The present invention relates to novel dye-sulfenate compounds,

10 and to phototherapeutic procedures using these compounds.

BACKGROUND OF THE INVENTION

The use of visible and near-infrared (NIR) light in clinical practice is growing rapidly. Compounds absorbing or emitting in the visible or NIR, or long-wavelength (UV-A, > 350 nm) region of the electromagnetic spectrum

