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61/416,808 24 November 2010 (24.11.2010) US(71) Applicants (for all designated States except US): **NATIONAL UNIVERSITY OF SINGAPORE** [SG/SG]; 21 Lower Kent Ridge Road, Singapore 119077 (SG). **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH** [SG/SG]; 1 Fusionopolis Way, #20-10 Connexis, Singapore 138632 (SG).

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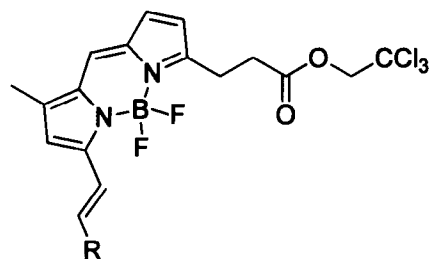
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(54) Title: **BODIPY STRUCTURE FLUORESCENCE DYE FOR NEURAL STEM CELL PROBE**

(I)

(57) **Abstract:** The present invention is directed to a fluorescence compound represented by structural Formula (I), with specificity to neural stem cells: I or a pharmaceutically acceptable salt thereof. The variables for structural Formula (I) are defined herein. Also described are methods for detection of neural stem cells, comprising using a compound of structural Formula (I) or pharmaceutically acceptable salts thereof. Compounds of structural Formula (I) can detect and separate neural stem cells without immunostaining, providing a much shorter and more convenient method for detection of neural stem cells.