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(54) Title: BODIPY STRUCTURE FLUORESCENCE PROBES FOR DIVERSE BIOLOGICAL APPLICATIONS

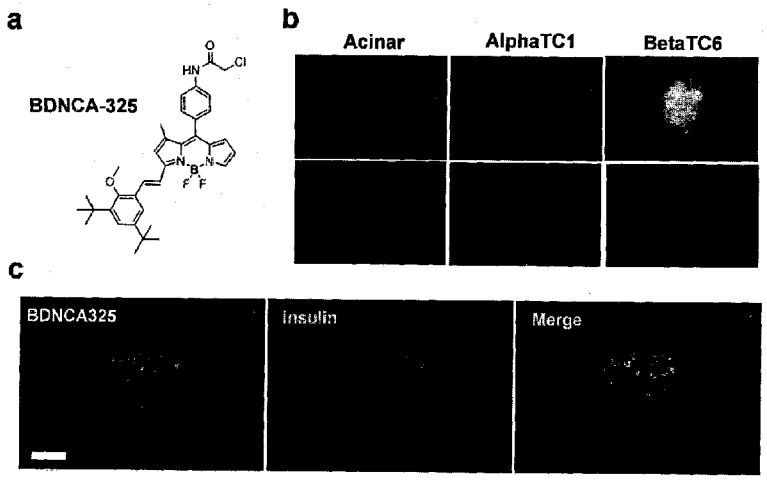
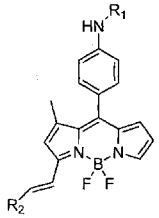


FIG. 1

(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 beta cells, pancreatic islets and microglia cells, comprising using a compound of structural Formula (I) or pharmaceutically acceptable salts thereof. Compounds of structural Formula (I) can also differentiate healthy pancreatic islet cells from diabetic pancreatic islet cells.



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