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(54) Title: NOVEL FLUORESCENT DYES AND USES THEREOF

(57) Abstract: The present invention provides fluorescent dyes that are based on firefly luciferin structure. These dyes are optically excited at shorter wavelengths and have Stokes shift of at least 50 nm. The fluorescent dyes of the invention are useful for preparation of dye-conjugates, which can be used in detection of an analyte in a sample.



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