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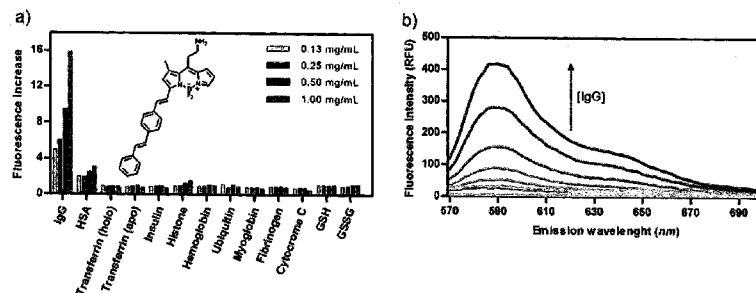


FIG. 1

(57) Abstract: The present invention discloses a series of alkylamino BODIPY dyes, methods for preparing a library of alkyl-amino BODIPY dyes via solid-phase synthesis, and the use of the alkyl-amino BODIPY dyes as fluorescent sensors for protein detection, cell imaging and cytometry applications, and staining of certain cell line.