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(54) Title: SMALL MOLECULAR PROBES, PROCESSES AND USE THEREOF

(57) Abstract: The present disclosure relates to compounds which function as small molecule fluorescent probes which aid in recog-
nition of specific sequences in DNA and detection of A β aggregates. Probes/dyes of the instant disclosure are specific to AT-rich se-
quences of DNA and A β aggregates. These small organic dyes/probes are capable of exhibiting switch-on fluorescence and play an
important role in fluorescence spectroscopy, diagnostics, imaging and biomedical applications.



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