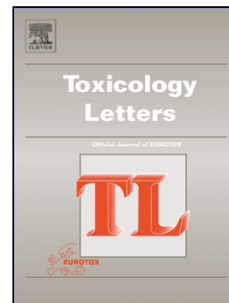


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A novel fluorogenic probe for the investigation of free thiols: application to kinetic measurements of acetylcholinesterase activity

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Graphical abstract

Highlights

- a novel coumarin-derived turn-on probe for the detection of thiols with sufficient solubility in aqueous environments and excellent fluorescence characteristics.
- a fluorescence-based assay for acetylcholinesterase activity as an addition to the established Ellman methodology.
- evaluation of the asymmetric sigmoidal product formation curves applying a three parameter Gompertz equation.

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