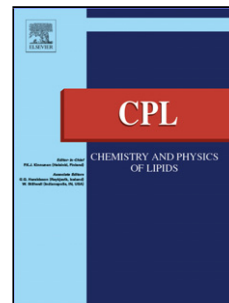


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Title: Structural design of intrinsically fluorescent oxysterols

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Highlights

Intrinsically fluorescent oxysterols are suitable analogs of their natural counterparts.

Extending the conjugated double bond system of such analogs improves their fluorescence properties.

New fluorescent oxysterols with improved one- and two-photon absorption are predicted by theory.

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