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2013-52/23 Long-Wavelength Absorption for a Small π System

10,12-dimesitylindeno[2,1-b]fluorene ...

... exhibits a very-low-energy light-absorption band that extends to 2000 nm, despite its small conjugation space of only 20 π electrons. This first example of a meta-quinodimethane embedded in an indenofluorene framework is presented by Y. Tobe and coworkers in their Communication on page 6076 ff. The unusual absorption behavior is attributed to the moderate singlet biradical character and the small $\pi\textsc{-}\textsc{conjugation}$ space of the hydrocarbon.



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