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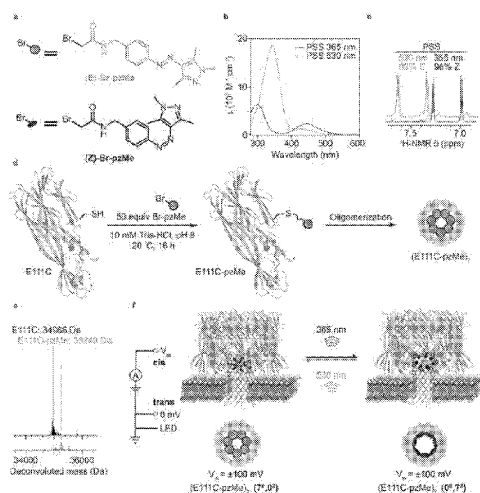
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(54) Title: NANOPORE

Fig. 1



(57) Abstract: Described is a nanopore that is selectively convertible between an open form and a closed form using light, a method for producing such a nanopore, a method of modulating the flow of one or more substances through the nanopore, the use of the nanopore in modulating ionic flow across an amphiphilic membrane, a device comprising the nanopore, use of the nanopore as an ionotronic component, use of the nanopore in bio-computation and/or bioionotronics, a method of transmitting information using the nanopore, and method of receiving information comprising the nanopore, and an ionotronic component comprising the nanopore.

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