

# Accepted Manuscript

Light induced nonlinear optical switch in boronated chromophores: a theoretical search towards high contrast switches in the azobenzene series

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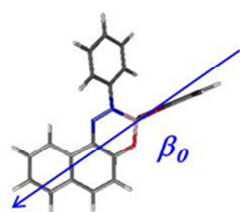
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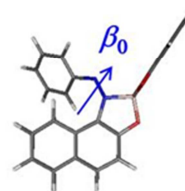
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**DFT computed static hyperpolarizabilities****E-2**

$$\beta_o = 52.8 \times 10^{-30} \text{cm}^5 \text{esu}^{-1}$$

**ON**

$$\beta_{on}/\beta_{off} = 8.53$$

**Z-2**

$$\beta_o = 6.19 \times 10^{-30} \text{cm}^5 \text{esu}^{-1}$$

**OFF**

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