

Compound Name: _____

Jablonski Diagram for mode(s): $\pi\pi^*$

v=3
v=2
v=1
v=0

S₄ absorption

$$\epsilon_{\max} = \text{_____ M}^{-1}\text{cm}^{-1}$$

$$\lambda_{\max} = \text{_____ nm}$$

$$\omega_{\max} = \text{_____ m}^{-1}$$

$$\text{IAC} = \text{_____ mmol}^{-1}$$

$$f = \text{_____}$$

$$\tau = \text{_____ s}$$

$$A_{m0} = \text{_____ s}^{-1}$$

$$B_{0m} = \text{_____ s kg}^{-1}$$

$$\pm \mu = \text{_____ debye}$$

$$r_{\text{transition}} = \text{_____ pm}$$

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↑
ENERGY

So GROUND STATE