

Compound Name: _____

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

$\Delta E (S_1 - T_1) =$ _____ cm⁻¹

v=5	_____ cm ⁻¹	_____ v=5
v=4	_____ cm ⁻¹	_____ v=4
v=3	_____ cm ⁻¹	_____ v=3
v=2	_____ cm ⁻¹	_____ v=2
v=1	_____ cm ⁻¹	_____ v=1
v=0	_____ cm ⁻¹	_____ v=0

excitation

absorption

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

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

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

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

$$f = \text{_____}$$

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

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

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

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

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

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

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

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

$$f = \text{_____}$$

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v=5 cm ⁻¹
v=4 cm ⁻¹
v=3 cm ⁻¹
v=2 cm ⁻¹
v=1 cm ⁻¹
v=0 cm ⁻¹

GROUND STATE