













 $\pi^*_{C_1-C_2}$ 



$$\pi_{N_4-C_8}^*$$
  $\sigma_{C_2-N_4}^*$ 

$$r_{\mathrm{C}_2-1}^*$$

$$\sigma^*_{
m N_3-C_7}$$

$$\mathbf{C}_{1}-\mathbf{N}_{3}$$

 $\sigma^*_{\mathrm{C_8-H_{10}}}$ 

$$_{-\mathrm{C}_2}$$
 o

$$\pi_1$$

 $\sigma^*_{\mathrm{C}_1-\mathrm{H}_5}$