$$C = C$$

$$\rho^{-1} \downarrow \qquad \qquad \uparrow \lambda$$

$$C \otimes I \xrightarrow{\eta} C \otimes (C^* \otimes C) \xrightarrow{\alpha} (C \otimes C^*) \otimes C \xrightarrow{\epsilon} I \otimes C$$