$$C^* = C^*$$

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

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