

$$\begin{array}{ccc}
C^* & \xlongequal{\quad} & C^* \\
\lambda^{-1} \downarrow & & \uparrow \rho \\
I \otimes C^* & \xrightarrow{\eta} (C^* \otimes C) \otimes C^* \xrightarrow{\alpha} C \otimes (C \otimes C^*) \xrightarrow{\epsilon} C^* \otimes I
\end{array}$$