

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