

$$\begin{array}{ccc}
& {}^c\mathcal{M}_{\mathcal{D}} & \\
& \uparrow \simeq & \\
& {}^c\mathcal{M} \boxtimes_{\mathcal{D}} \mathcal{D}_{\mathcal{D}} & \xrightarrow{\text{id} \boxtimes (d \mapsto (- \otimes d))} \\
& \downarrow \text{id} \boxtimes \eta_1 & \\
{}^c\mathcal{M} \boxtimes_{\mathcal{D}} \text{Fun}_{\mathcal{C}\text{-mod}}(\mathcal{M}, \mathcal{C}) \boxtimes_{\mathcal{C}} \mathcal{M}_{\mathcal{D}} & \xrightarrow{\simeq} & {}^c\mathcal{M} \boxtimes_{\mathcal{D}} \text{Fun}_{\mathcal{C}\text{-mod}}(\mathcal{M}, \mathcal{M})_{\mathcal{D}} \\
& \downarrow \varepsilon_1 \boxtimes \text{id} & \\
& {}^c\mathcal{C} \boxtimes_{\mathcal{C}} \mathcal{M}_{\mathcal{D}} & \\
& \downarrow \simeq & \\
& {}^c\mathcal{M}_{\mathcal{D}} & \xleftarrow{m \boxtimes f \mapsto f(m)}
\end{array}$$