

$$\begin{array}{ccc}
& {}^c\mathcal{M}_{\mathcal{D}} & \\
& \updownarrow & \\
& {}^c\mathcal{M} \boxtimes_{\mathcal{D}} \mathcal{D}_{\mathcal{D}} & \xrightarrow{\quad id \boxtimes (d \mapsto \bullet \otimes d) \quad} \\
id \boxtimes coev \downarrow & & \\
{}^c\mathcal{M} \boxtimes_{\mathcal{D}} \mathrm{Fun}_{\mathcal{C}\text{-mod}}(\mathcal{M}, \mathcal{C}) \boxtimes_{\mathcal{C}} \mathcal{M}_{\mathcal{D}} & \longleftrightarrow & {}^c\mathcal{M} \boxtimes_{\mathcal{D}} \mathrm{Fun}_{\mathcal{C}\text{-mod}}(\mathcal{M}, \mathcal{M})_{\mathcal{D}} \\
ev \boxtimes id \downarrow & & \searrow \\
{}^c\mathcal{C} \boxtimes_{\mathcal{C}} \mathcal{M}_{\mathcal{D}} & & \\
& \updownarrow & \\
& {}^c\mathcal{M}_{\mathcal{D}} & \xleftarrow{\quad m \boxtimes \mathcal{F} \mapsto \mathcal{F}(m) \quad}
\end{array}$$