$$\mathbf{1_{D}} \otimes_{\mathbf{D}} F(X) \xrightarrow{\mathbf{iso}} \mathbf{\otimes_{\mathbf{D}}} \operatorname{id}_{F(X)} F(\mathbf{1_{C}}) \otimes_{\mathbf{D}} F(X) \qquad F(X) \otimes_{\mathbf{D}} \mathbf{1_{D}} \xrightarrow{\operatorname{id}_{F(X)}} \otimes_{\mathbf{D}} \operatorname{iso} F(X) \otimes_{\mathbf{D}} F(\mathbf{1_{C}}) \\ \downarrow \iota_{\mathbf{1_{C}},X} \qquad \operatorname{ru}_{\mathbf{D}} \downarrow \qquad \qquad \downarrow \iota_{X,\mathbf{1_{C}}} \\ F(X) \longleftarrow F(\mathbf{1_{C}} \otimes_{\mathbf{C}} X) \qquad F(X) \longleftarrow F(X) \otimes_{\mathbf{C}} \mathbf{1_{C}})$$