$$X_{dat}$$
 \longrightarrow Align X_{dat} \longrightarrow X_{dat}^{align} \longrightarrow X_{dat}^{align} \longrightarrow X_{ref} \longrightarrow Align X_{ref} \longrightarrow Classify X_{dat} \longrightarrow \widehat{Y}

 $\mathscr{L} = C_{ref} \cdot \overline{ ext{Variance} \left(X_{ref}^{align}
ight) } + C_{align} \cdot \overline{ ext{Variance} \left(X_{dat}^{align}
ight) } + C_{\operatorname{class}} \cdot \overline{ ext{CrossEntropy} \left(Y, \widehat{Y}
ight) }$