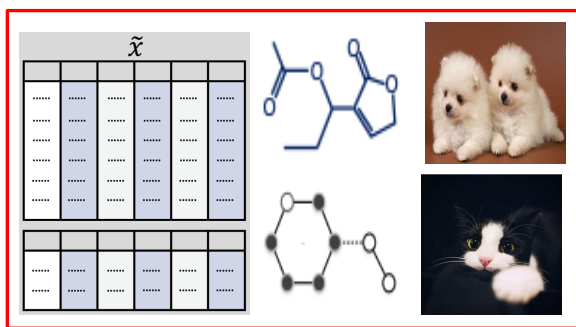
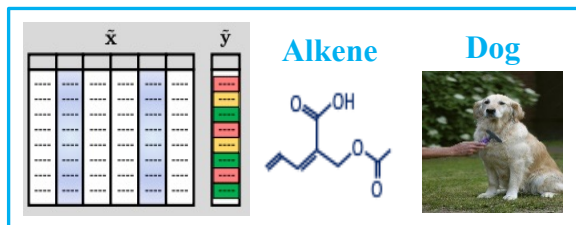
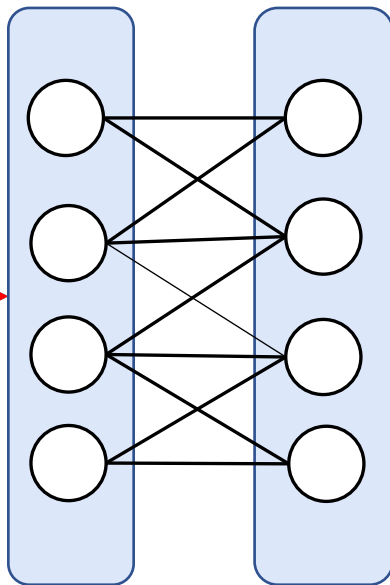


Labeled Dataset

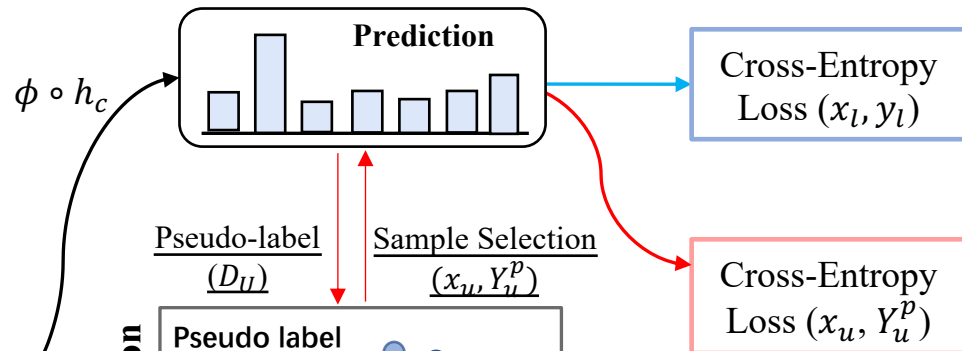


Unlabeled Dataset

Encoder
 $\phi(x)$



Classification Head



Cross-Entropy
Loss (x_l, y_l)

Cross-Entropy
Loss (x_u, Y_u^p)

Contrastive
Loss (x_u, Y_u^c)

Contrastive
Loss (x_l, y_l)

Projection Head

