Init Prompt

Data Pool

$Temp_1$ $Prompt_1$ $Struct_1$

$Temp_2$ $Prompt_2$ $Struct_2$

Mixup Network

Mixed Data Pool

$Temp_1$ $Prompt_1$ $Struct_1$

$Temp_2$ $Prompt_2$ $Struct_2$

$Temp_m$ $Prompt_m$ $Struct_m$

Pre-trained Network (EGNNs)

Trainable parameters in first-stage, inner loop and fine-tuning

Generated by mixup network

Trainable parameters in first-stage & inner loop

Trainable parameters in outer loop only

Structure vectors of original data generated by prompt-agnostic encoder

Trainable parameters in first-stage only