a. Drug Response Prediction

Drug

Gene

Cell Line

Drug Encoder

Cell Line Encoder

Prediction

Drug Response IC50

2.39
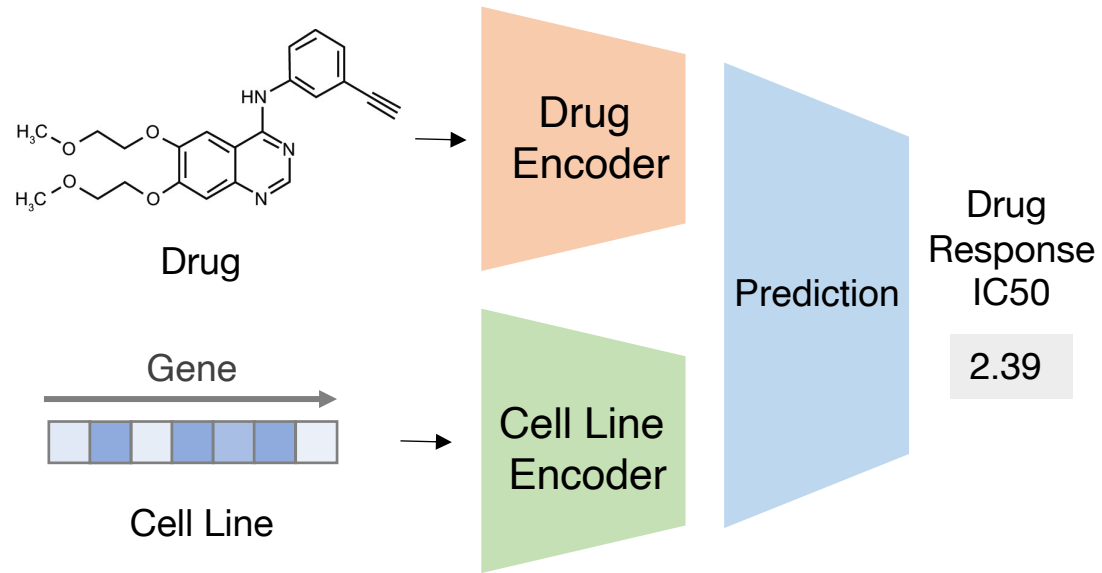
b. Drug Combination Therapy Prediction

Drug 1

Drug 2

Gene

Cell Line

Drug 1 Encoder

Drug 2 Encoder

Cell Line Encoder

Prediction

Drug Synergy Score

-2.24