Step 1: Process Data	Step 2: Generate Networks	Step 3: Integrate to Heterogeneous Network	Step 4: Feature embedding using SciBERT	Step 5: Input to Graph Neural Network and Output Drug Mechanism of Action
orugs Genes Diseases Targeting Interaction Association	DrugBank — FDA-Approved Dataset BioGRID — Homo sapiens Dataset	Drug-Target Gene-Gene	Gene-Gene F	SciBERT Feature Encoding Mechanism of Action: Etiological or Palliative Graph Neural Network
	OMIM Morbid Map Dataset	Disease-Gene		

Step 5: Input to Graph Neural