

The training and testing time of TCSD and the compared methods was listed in the Supplementary Table ST2.

Table S2. The training and testing time of TCSD and the compared methods.

Running Time	TCSD	GCRS	idse-HE	SDPred	Galeaon's Method	RW- SHIN	Ding s Method	FGRMF
Average time per epoch/minute	15	17	25	5	9	20	23	11
Testing time per drug /second	0.0027	0.0030	0.0043	0.00086	0.0013	0.0050	0.00282	0.00047