

Supplementary Table 1 Drug-drug interaction evaluation process of aripiprazole in patients with bipolar disorder

Forward inclusion				
Model number	Instructions	OFV	Change of OFV	P value
1	Base model	462.482	/	/
2	Effect of Atorvastatin calcium tablet on CL	462.478	-0.004	$P > 0.01$
3	Effect of Alprazolam tablet on CL	459.337	-3.145	$P > 0.01$
4	Effect of Ambroxol hydrochloride oral solution on CL	462.147	-0.335	$P > 0.01$
5	Effect of Benhexol hydrochloride tablet on CL	462.456	-0.026	$P > 0.01$
6	Effect of Clonazepam tablet on CL	462.299	-0.183	$P > 0.01$
7	Effect of Clozapine tablet on CL	462.203	-0.279	$P > 0.01$
8	Effect of Diazepam injection on CL	462.477	-0.005	$P > 0.01$
9	Effect of Escitalopram oxalate tablet on CL	462.024	-0.458	$P > 0.01$
10	Effect of Finasteride tablet on CL	461.408	-1.074	$P > 0.01$

11	Effect of Haloperidol injection on CL	459.536	-2.946	$P > 0.01$
12	Effect of Lamotrigine tablet on CL	462.255	-0.227	$P > 0.01$
13	Effect of Lithium carbonate extended-release tablet on CL	461.887	-0.595	$P > 0.01$
14	Effect of Lorazepam tablet on CL	462.093	-0.389	$P > 0.01$
15	Effect of Metformin hydrochloride tablet on CL	460.427	-2.055	$P > 0.01$
16	Effect of Olanzapine tablet on CL	462.04	-0.442	$P > 0.01$
17	Effect of Perphenazine tablet on CL	462.34	-0.142	$P > 0.01$
18	Effect of Propranolol hydrochloride tablet on CL	460.31	-2.172	$P > 0.01$
19	Effect of Quetiapine fumarate tablet on CL	461.933	-0.549	$P > 0.01$
20	Effect of Sertraline hydrochloride tablet on CL	462.036	-0.446	$P > 0.01$
21	Effect of Sodium valproate sustained-release tablet on CL	449.328	-13.154	$P < 0.01$
22	Effect of Zolpidem tartrate on CL	462.276	-0.206	$P > 0.01$
23	Effect of Zopiclone tablet on CL	462.408	-0.074	$P > 0.01$

Backward elimination

24	Model 21	449.328	/	/
25	Model 21- Effect of Sodium valproate sustained-release tablet on CL	462.482	13.154	$P < 0.001$

CL, clearance rate; OFV, objective function value.