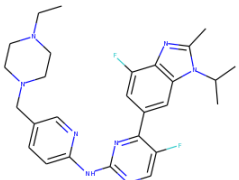
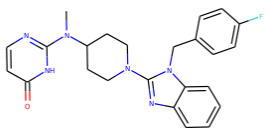
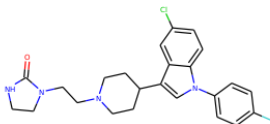
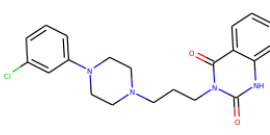
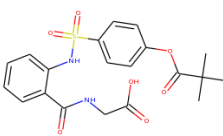
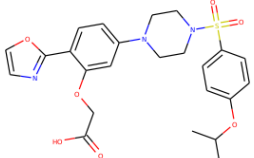
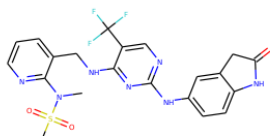
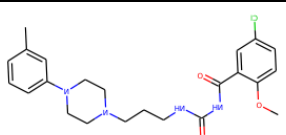
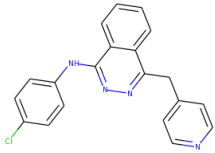
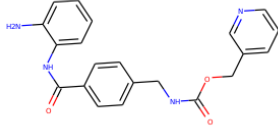
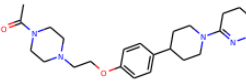
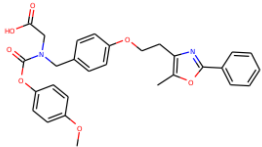
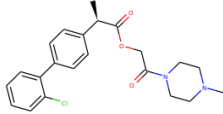
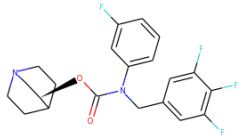
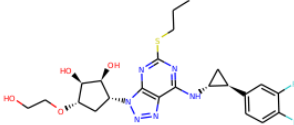
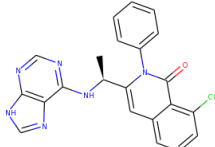
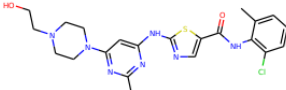



Table S6. List of the experimentally tested drugs.

Diversity Cluster	Drug	Structure	ZINC entry Provider
1	Abemaciclib		ZINC000072318121 CliniSciences, France
2	Mizolastine		ZINC000013831810 Bertin Bioreagent, France
3	Sertindole		ZINC000000538337 CliniSciences, France
3	Cloperidone		ZINC000004215426 Ambinter, France
5	Sivelestat		ZINC000021298097 Bertin Bioreagent, France
6	Asapiprant		ZINC000115250035 CliniSciences, France
7	Pf-562671		ZINC000034638188 Bertin Bioreagent, France
8	Ciltoprazine		ZINC000004215333 BOC Sciences, NY, USA

10	Vatalanib		ZINC00000007460 Sigma Aldrich, France
11	Entinostat		ZINC00000148870 Bertin Bioreagent, France
12	Azd3514		ZINC000101673084 Bertin Bioreagent, France
14	Muraglitazar		ZINC000049650290 Bertin Bioreagent, France
16	Bifeprofen		ZINC000031502465 BOC Sciences, NY, USA
22	Tarafenacin		ZINC000000593626 CliniSciences, France
23	Ticagrelor		ZINC000028957444 Bertin Bioreagent, France
24	Duvelisib		ZINC000088346058 Bertin Bioreagent, France
24	Dasatinib		ZINC000003986735 CliniSciences, France
24	Piriqualone		ZINC000004217322 Mcule, Hungary