

**Table S10A. Subtype-specific targeted drugs obtained derived from drug screening pipeline based on CTRP databases.**

<b>C1</b>	<b>C2</b>	<b>C3</b>
<b>nutlin-3</b>	<b>GSK461364</b>	<b>lapatinib</b>
ABT-737	<b>BI-2536</b>	<b>tanespimycin</b>
nilotinib	<b>paclitaxel</b>	<b>SB-525334</b>
tamoxifen	<b>AZD7762</b>	sirolimus
BRD1378	<b>vincristine</b>	panobinostat
PLX-4720	<b>dasatinib</b>	neratinib
BRD-K92856060	<b>parbendazole</b>	ciclopirox
Ch-55	<b>MK-1775</b>	KU-0063794
AM-580	<b>gemcitabine</b>	brefeldin A
Compound 1541A	<b>rigosertib</b>	BRD-K45681478
BRD5468	<b>PHA-793887</b>	MK-2206
GANT-61	<b>barasertib</b>	tandutinib
TGX-221	<b>topotecan</b>	BRD-K80183349
BRD-K26531177	<b>pevonedistat</b>	PRIMA-1
BRD-K29313308	<b>alisertib</b>	KHS101
sildenafil	<b>doxorubicin</b>	SB-431542
AZD6482	<b>YM-155</b>	MI-1
ML083	<b>etoposide</b>	BRD9876
BRD-K37390332	<b>TPCA-1</b>	azacitidine
ciclosporin	<b>bortezomib</b>	trifluoperazine
vorapaxar	<b>decitabine</b>	Repligen 136
WAY-362450	<b>chlorambucil</b>	ML203
SJ-172550	<b>pazopanib</b>	PF-543
veliparib	<b>obatroclax</b>	masitinib
BRD-K16147474	<b>KW-2449</b>	BRD-K52037352
	<b>axitinib</b>	pandacostat
	<b>tosedostat</b>	imatinib
	<b>olaparib</b>	
	<b>NVP-TAE684</b>	
	<b>PF-573228</b>	

sunitinib  
indisulam  
dacarbazine  
BIX-01294  
SB-743921  
leptomycin B  
methotrexate  
triazolothiadiazine  
CR-1-31B  
KX2-391  
clofarabine  
SR-II-138A  
daporinad  
SNS-032  
STF-31  
narciclasine  
CAY10618  
3-Cl-AHPC  
vandetanib  
CD-437  
ceranib-2  
BRD-K70511574  
cytarabine hydrochloride  
ouabain  
pluripotin  
SCH-79797  
GW-843682X  
BRD-K61166597  
FQI-2  
BRD-K66453893  
PD318088  
YK 4-279  
erastin

SNX-2112  
Merck60  
LY-2183240  
nakiterpiosin  
GMX-1778  
NVP-231  
linifanib  
BMS-536924  
foretinib  
isoevodiamine  
mometinib  
mitomycin  
curcumin  
bosutinib  
selumetinib  
PL-DI  
1S  
ML210  
NSC23766  
saracatinib  
ISOX  
birinapant  
CHM-1  
manumycin A  
ruxolitinib  
cytochalasin B  
bleomycin A2  
ML311  
fluorouracil  
triptolide  
PF-184  
BRD-K34222889  
AZD7545

KU-60019  
BRD-K66532283  
linsitinib  
NSC632839  
JQ-1  
tamatinib  
Ki8751  
ML320  
XL765  
lovastatin  
Compound 7d-cis  
BMS-345541  
bendamustine  
RG-108  
AT7867  
piperlongumine  
BRD-K63431240  
SB-225002  
MST-312  
LE-135  
MLN2238  
erlotinib  
gefitinib  
AZ-3146  
TG-101348  
NSC 74859  
bardoxolone methyl  
BRD-K51490254  
WP1130  
L-685458  
SRT-1720  
BRD-K19103580  
cerulenin

SKI-II  
BRD-K11533227  
phloretin  
crizotinib  
nintedanib  
ML239  
necrostatin-1  
BRD-K88742110  
betulinic acid  
BRD-K02492147  
procarbazine  
VER-155008  
BRD-K17060750  
NSC95397  
epigallocatechin-3-monogallate  
quizartinib  
BRD-K13999467  
ML031  
KU-55933  
WZ8040  
IC-87114  
GDC-0879  
BRD4132  
lomeguatrib  
CI-976  
ML006  
GSK-3 inhibitor IX  
BRD9647  
BRD-A02303741  
pifithrin-mu  
HLI 373  
Mdivi-1  
BRD1835

silmitasertib  
 CHIR-99021  
 BRD8899  
 pyrazolanthrone  
 itraconazole  
 semagacestat  
 SR1001  
 CAY10576  
 etomoxir

**Table S10B. Subtype-specific targeted drugs derived from drug screening pipeline based on PRISM databases.**

<b>C1</b>	<b>C2</b>	<b>C3</b>
<b>nutlin-3</b>	<b>GSK461364</b>	<b>lapatinib</b>
sulfamethazine	<b>BI-2536</b>	<b>tanespimycin</b>
epinastine	<b>paclitaxel</b>	<b>SB-525334</b>
indirubin	<b>AZD7762</b>	napabucasin
INH1	<b>vincristine</b>	bexarotene
guanidine	<b>dasatinib</b>	linifanib
resatorvid	<b>parbendazole</b>	LY456236
methylphenidate	<b>MK-1775</b>	ku-0063794
propoxycaine	<b>gemcitabine</b>	repaglinide
Ro-10-5824	<b>rigosertib</b>	beclomethasone-dipropionate
idasanutlin	<b>PHA-793887</b>	ecamsule-triethanolamine
AMG-232	<b>barasertib</b>	imiquimod
CGM097	<b>topotecan</b>	ribociclib
amprolium	<b>pevonedistat</b>	PF-05212384
buthionine-sulfoximine	<b>alisertib</b>	DMH1
niridazole	<b>doxorubicin</b>	tamibarotene
cytarabine	<b>YM-155</b>	azodicarbonamide
PF-3845	<b>etoposide</b>	buphenine
Ro-90-7501	<b>TPCA-1</b>	RG108
tiletamine	<b>bortezomib</b>	tecastemizole
ICI-162846	<b>decitabine</b>	theophylline

sulfasalazine  
endo-IWR-1  
ilomastat  
UK-383367  
lonafarnib  
LY2784544  
tyrphostin-AG-494  
BAY-K-8644-(s)-(-)  
cefdinir  
TG100-115  
SR-27897  
AVL-292  
cefditoren-pivoxil  
KD025  
metoxibutropate  
lanatoside-c  
thiram  
cyt387  
bifemelane  
BMS-986020  
abemaciclib  
mefexamide  
palbociclib  
formestane  
monensin  
ribavirin

**chlorambucil**  
**pazopanib**  
**obatoclax**  
**KW-2449**  
**axitinib**  
**tosedostat**  
**olaparib**  
**NVP-TAE684**  
**PF-573228**  
**sunitinib**  
**indisulam**  
**dacarbazine**  
**BIX-01294**  
fludarabine-phosphate  
FR-139317  
marimastat  
crenolanib  
odanacatib  
docetaxel  
VE-822  
epothilone-b  
volasertib  
dofetilide  
irinotecan  
tivantinib  
emetine  
daunorubicin  
azacitidine  
indoprofen  
dinaciclib  
CR8-(R)  
pardoprunox  
ispinesib

oprozomib  
CX-4945  
adaprev  
BMS-599626  
ifosfamide  
acivicin  
5-hydroxymethyl-tolterodine  
kenpaullone  
thiamine  
spermine  
vismodegib  
CP-724714  
maxacalcitol  
butamben  
PKI-179  
osimertinib  
4-iodo-6-phenylpyrimidine  
tucatinib  
azilsartan  
tanshinone-i  
uridine  
metronidazole  
PD-407824  
alfacalcidol  
pentamidine  
GW-3965  
halofantrine  
oxazepam  
quinethazone  
sodium-tanshinone-ii-a-sulfonate  
alpelisib  
dihydroergocristine  
clotrimazole

enocitabine  
astemizole  
dolastatin-10  
vinflunine  
fosbretabulin  
LY2606368  
ixabepilone  
rubitecan  
oxymatrine  
talazoparib  
selinexor  
tedizolid-phosphate  
flubendazole  
paliperidone  
ixazomib  
PF-477736  
belinostat  
raltitrexed  
ABT-751  
bitopertin  
VLX600  
podophyllotoxin  
LY2603618  
ZK-93426  
LY2183240  
pilaralisib  
litronesib  
verubulin  
cabazitaxel  
filanesib  
ganetespib  
isofloxxythepin  
carfilzomib

lurasidone  
CNX-2006  
azomycin-(2-nitroimidazole)  
methyldopa  
MEK1-2-inhibitor  
CGS-15943  
amfenac  
beta-lapachone  
taselisib  
amoxicillin  
halobetasol-propionate  
JIB04  
sulconazole  
voxtalisib  
LY2109761  
mifepristone  
AZD1480



triapine  
vindesine  
BIIB021  
afobazole  
EPZ-5676  
nilotinib  
harringtonine  
tozasertib  
tofogliflozin  
AT-7519  
BX-912  
D-64131  
AZD3463  
vidarabine  
deferasirox  
cediranib  
anguidine  
bicalutamide  
AT13387  
cytochalasin-b  
NVP-AUY922  
AZD6482  
SU3327  
OTS167  
TW-37  
AVN-944  
CCMI  
homoharringtonine  
teriflunomide  
oseltamivir-phosphate  
TAK-901  
amonafide  
bardoxolone-methyl

tiotidine  
10-hydroxycamptothecin  
floxuridine  
MK-5108  
pralatrexate  
vatalanib  
cholecalciferol  
ZM-447439  
cycloheximide  
alvocidib  
hexaminolevulinate  
teniposide  
CEP-37440  
indiplon  
pirenperone  
azathioprine  
dirithromycin  
2-methoxyestradiol  
amsacrine  
genz-644282  
alectinib  
combretastatin-A-4  
TAME  
niraparib  
talmapimod  
VX-765  
tioguanine  
PRT062070  
SCH-900776  
CID-5458317  
vinblastine  
indibulin  
atorvastatin

fleroxacin  
tazemetostat  
hyoscyamine  
BMS-754807  
tepoxalin  
MK-0812  
benzylamine  
broxyquinoline  
regorafenib  
temozolomide  
LY2801653  
valrubicin  
GGTI-298  
dovitinib  
erteberel  
batimastat  
SC-144  
flumethasone  
saxagliptin  
doxifluridine  
LY2334737  
golvalatinib  
oxiracetam  
tricalabendazole  
chlorquinaldol  
GW-842166  
bromosporine  
talibulin  
danusertib  
ciclopirox  
SB-218078  
lerisetron  
AZ960

nizatidine  
sertindole  
GSK650394  
epothilone-a  
echinomycin  
9-aminoacridine  
RAF265  
BNC105  
CP-673451  
oxyphencyclimine  
idoxuridine  
bekanamycin  
PF-03814735  
caffeic-acid  
vemurafenib  
3-deazaneplanocin-A  
barasertib-HQPA  
1-azakenpaullone  
genipin  
BF2.649  
fenbendazole  
AC-264613  
mepivacaine  
NMS-E973  
GSK1070916  
CMPD-1  
lappaconite  
betamethasone  
kifunensine  
triciribine  
idazoxan  
oxyquinoline  
PHA-848125

estrone  
letrozole  
BMS-387032  
nithiamide  
vorinostat  
lidocaine  
SNS-314  
ZM-306416  
carvedilol  
desonide  
alvespimycin  
tideglusib  
panobinostat  
cimetidine  
TG-02  
ginkgolide-a  
carmofur  
SU014813  
puromycin  
pelitinib  
eltrombopag  
naftifine  
ribitol  
GSK429286A  
brequinar  
digoxigenin  
gambogic-acid  
temazepam  
BI-D1870  
mozavaptan  
cetrimonium  
TG-101209  
nemorubicin

cyclosporin-a  
DPI-201106  
oxprenolol  
PP-1  
FLI-06  
UNC0631  
orotic-acid  
KW-2478  
AMG900  
ponatinib  
levocetirizine  
cinromide  
YM-976  
JTE-607  
romidepsin  
danazol  
10-deacetylbaaccatin  
AZ-628  
UNC2250  
BAY-11-7085  
thiocolchicoside  
torcetrapib  
STA-5326  
GDC-0980  
resminostat  
FK-866  
PP242  
P276-00  
AZD8330  
phenazone  
lasalocid  
vanoxerine  
clonazepam

CB-10-277  
LGX818  
salvianolic-acid-B  
toremifene  
4-(4-fluorobenzoyl)-1-(4-phenylbutyl)-piperidine  
gilteritinib  
nimorazole  
NSC-632839  
thiomersal  
mitoxantrone  
LY2874455  
PRT062607  
LDN-57444  
doxycycline  
acesulfame-potassium  
tacrolimus  
navitoclax  
temocapril  
alexidine

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