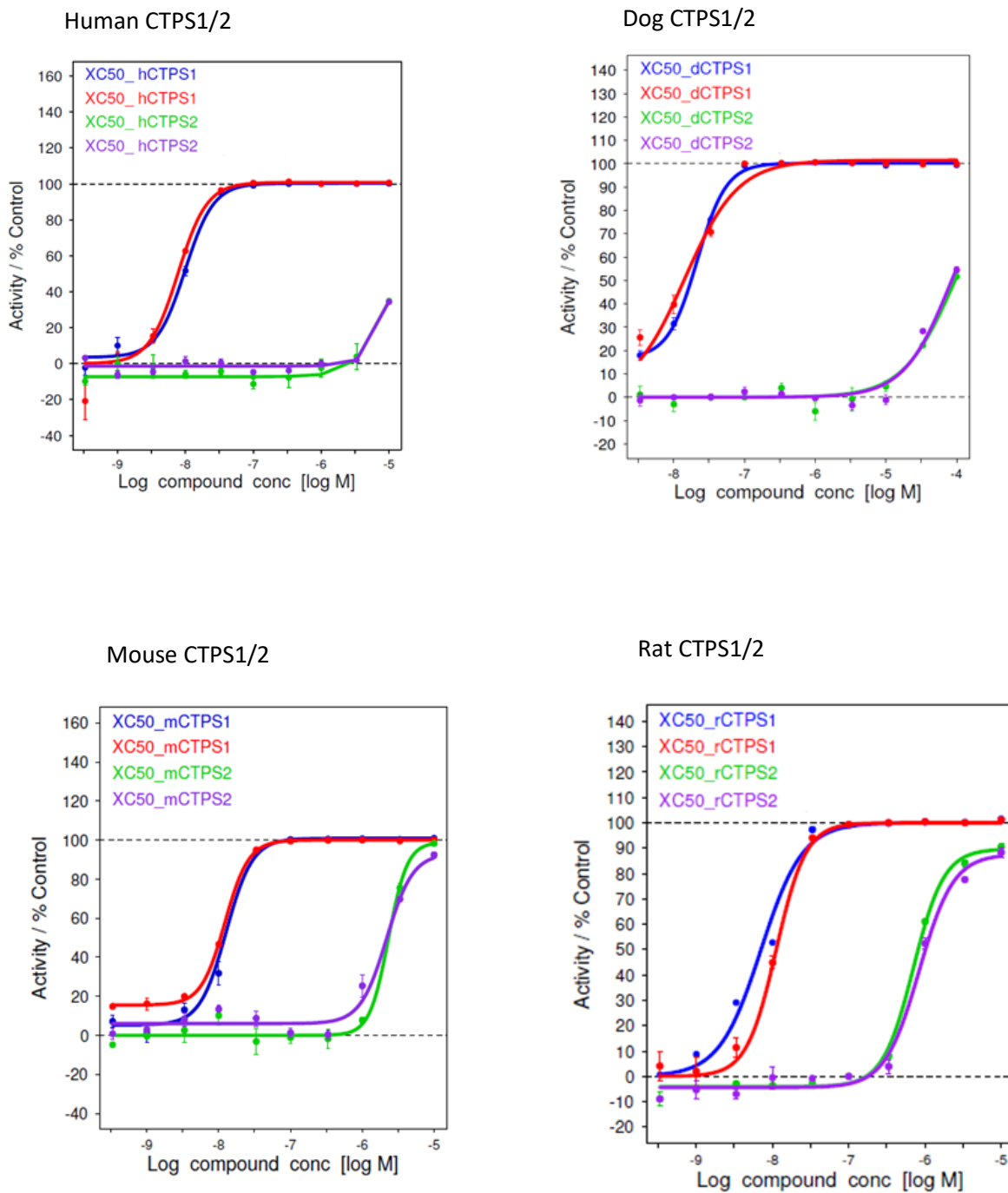


Supplementary Table 1. STP-B *in vitro* relative IC₅₀ values for 199 cancer cell lines.

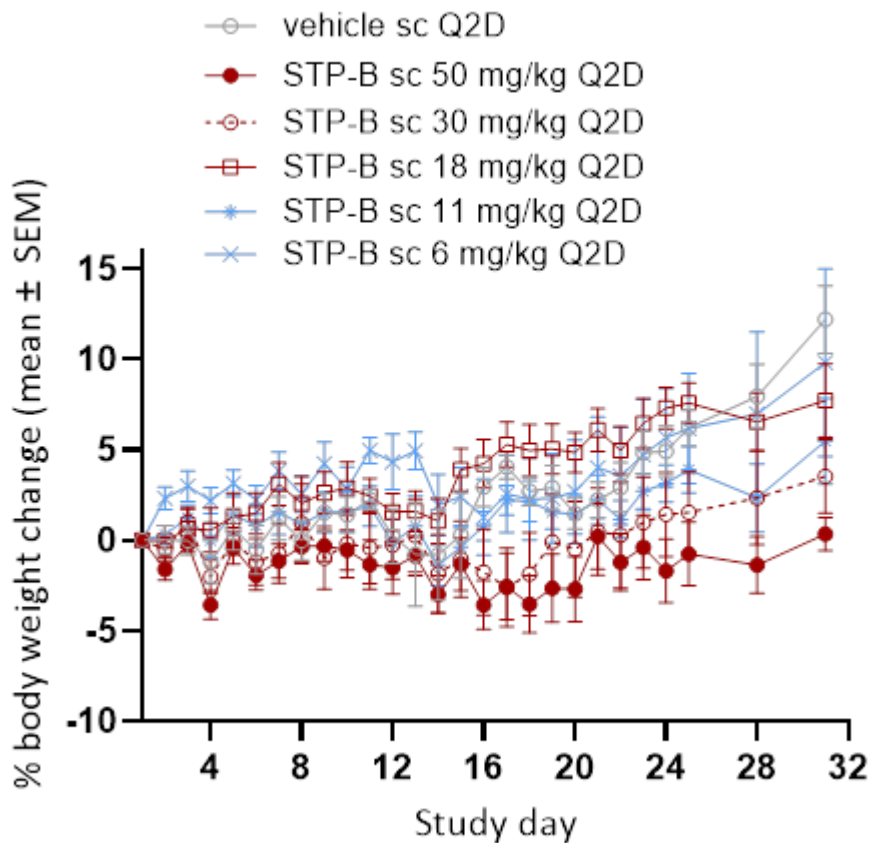
Cell Line	Tissue	IC ₅₀ (μM)	Cell Line	Tissue	IC ₅₀ (μM)
KU-19-19	Bladder	0.044	OCI-LY7	Haem, lymphoid	0.004
1218	Bladder	0.113	L-363	Haem, lymphoid	0.005
1352	Bladder	0.467	OCI-LY18	Haem, lymphoid	0.015
5637	Bladder	0.65	MOLT-4	Haem, lymphoid	0.016
1036	Bladder	1.559	MOLT-3	Haem, lymphoid	0.017
MDA-MB-453	Breast	0.025	JURKAT	Haem, lymphoid	0.023
MCF7	Breast	0.035	RCH-ACV	Haem, lymphoid	0.024
SK-BR-3	breast	0.039	MM.1R	Haem, lymphoid	0.025
CAL-51	Breast	0.103	RAMOS	Haem, lymphoid	0.028
sMCF 10A	Breast	0.268	EJM	Haem, lymphoid	0.032
MDA-MB-468	Breast	1.935	HUT-78	Haem, lymphoid	0.033
MX1	Breast	4.572	SU-DHL-1	Haem, lymphoid	0.042
BT-474	breast	10	KM-H2	Haem, lymphoid	0.051
401	Breast	10	MEC-1	Haem, lymphoid	0.057
BT-549	Breast	10	SD-1	Haem, lymphoid	0.061
ZR-75-1	Breast	10	MOLP-2	Haem, lymphoid	0.068
SW756	Cervical	0.141	CCRF-CEM	Haem, lymphoid	0.075
DoTc2 4510	Cervical	10	MM.1S	Haem, lymphoid	0.076
HeLa	Cervical	10	DND-39	Haem, lymphoid	0.084
A-172	CNS	2.234	RAJI	Haem, lymphoid	0.085
SF-268	CNS	4.04	SR-786	Haem, lymphoid	0.107
498	CNS	10	Daudi	Haem, lymphoid	0.111
SNB-75	CNS	10	OPM-2	Haem, lymphoid	0.116
U-87 MG	CNS	10	LP-1	Haem, lymphoid	0.164
1103	Colon	0.064	CCRF-CEM-VCR	Haem, lymphoid	0.183
280	Colon	0.085	NCI-H929	Haem, lymphoid	0.197
269	Colon	0.111	RPMI 8226	Haem, lymphoid	0.347
SW-620	Colon	0.122	SU-DHL-4	Haem, lymphoid	0.356
94	Colon	0.199	WSU-DLCL2	Haem, lymphoid	1.563
LS 174T	Colon	0.231	MINO	Haem, lymphoid	1.68
Caco-2	Colon	0.25	U-266	Haem, lymphoid	3.016
DLD-1	Colon	10	IM-9	Haem, lymphoid	3.585
EFE-184	Endometrial	0.197	Kasumi-1	Haem, myeloid	0.006
SK-UT-1B	Endometrial	1.433	EOL-1	Haem, myeloid	0.008
1138	Endometrial	10	MOLM-6	Haem, myeloid	0.02
HEC-1A	Endometrial	10	U-937	Haem, myeloid	0.021
KLE	Endometrial	10	OCI-AML3	Haem, myeloid	0.027
			KG-1a	Haem, myeloid	0.037
3023	Gastric	0.025	JURL-MK1	Haem, myeloid	0.043
3011	Gastric	0.057	K-562	Haem, myeloid	0.043
251	Gastric	0.369	THP-1	Haem, myeloid	0.044
23132	Gastric	0.564	EM-2	Haem, myeloid	0.048
1172	Gastric	0.752	KCL-22	Haem, myeloid	0.054
3013	Gastric	0.917	MOLM-1	Haem, myeloid	0.057
3067	Gastric	9.835	OCI-AML2	Haem, myeloid	0.062
FU97	Gastric	10	UOC-M1	Haem, myeloid	0.066
MKN7	Gastric	10	MOLM-13	Haem, myeloid	0.076
NUGC-4	Gastric	10	KG-1	Haem, myeloid	0.095
HH	Haem, lymphoid	0.002	MV4-11	Haem, myeloid	0.104
NALM-33	Haem, lymphoid	0.003	PL-21	Haem, myeloid	0.117

Cell Line	Tissue	IC50 (μM)	Cell Line	Tissue	IC50 (μM)
PL-21	Haem, myeloid	0.117	Malme-3M	Melanoma	10
HL-60	Haem, myeloid	0.118	MSTO-211H	Mesothelioma	0.053
NOMO-1	Haem, myeloid	0.611	698	Mesothelioma	0.061
JURL-MK2	Haem, myeloid	0.649	1118	Mesothelioma	10
MEG-01	Haem, myeloid	1.268	1752	Mesothelioma	10
SNU-398	Hepatic	0.289	SH-SY5Y	Neuroblastoma	0.036
JHH-6	Hepatic	1.892	SK-N-AS	Neuroblastoma	0.041
575	Hepatic	8.384	SK-N-MC	Neuroblastoma	0.293
SNU-449	Hepatic	10	CHP-212	Neuroblastoma	10
SNU-475	Hepatic	10	OE21	Oesophagus	0.054
Hep G2	Hepatic	10	KYSE-70	Oesophagus	0.094
SK-HEP-1	Hepatic	10	OVCAR-5	Ovarian	0.035
1859	HNSSC	0.032	899	Ovarian	0.04
RPMI-2650	HNSSC	1.443	SK-OV-3	Ovarian	0.064
CAL-27	HNSSC	2.676	OVCAR-8	Ovarian	0.093
1853	HNSSC	10	A2780	Ovarian	0.116
Detroit 562	HNSSC	10	OVCAR-4	Ovarian	5.828
FaDu	HNSSC	10	1023	Ovarian	10
2184	Lung	0.008	EFO-21	Ovarian	10
430	Lung	0.032	BxPC-3	Pancreas	0.042
1121	Lung	0.04	1997	Pancreas	0.05
66	Lung	0.044	CAPAN-2	Pancreas	0.091
526	Lung	0.058	2059	Pancreas	0.101
1674	Lung	0.081	HUP-T3	Pancreas	0.103
NCI-H1299	Lung	0.131	1998	Pancreas	0.165
2478	Lung	0.132	PANC-1	Pancreas	0.51
NCI-H1975	Lung	0.181	YAPC	Pancreas	0.706
1647	Lung	0.522	2035	Pancreas	2.249
EKVX	Lung	0.71	1657	Pancreas	10
DMS 273	Lung	0.998	1986	Pancreas	10
NCI-H322M	Lung	1.384	2005	Pancreas	10
NCI-H460	Lung	1.461	22Rv1	Prostate	0.054
A549	Lung	3.273	LNCaP	Prostate	2.812
586	Lung	6.654	486	Renal	0.073
289	Lung	10	1220	Renal	0.089
623	Lung	10	SN12C	Renal	0.104
1072	Lung	10	1183	Renal	0.209
NCI-H727	Lung	10	2516	Renal	0.421
SCLC-21H	Lung	10	A-498	Renal	0.545
2090	Melanoma	0.013	1781	Renal	0.616
1829	Melanoma	0.03	TK-10	Renal	5.143
UACC-257	Melanoma	0.072	2282	Renal	5.293
A-375	Melanoma	0.093	393	Renal	10
C32	Melanoma	0.157	1301	Sarcoma	0.016
1539	Melanoma	0.206	HT-1080	Sarcoma	0.061
2106	Melanoma	0.221	678	Sarcoma	0.102
1341	Melanoma	0.226	A-204	Sarcoma	0.113
MDA-MB-435	Melanoma	0.238	SK-LMS-1	Sarcoma	2.518
274	Melanoma	0.379	RD-ES	Sarcoma	10
1737	Melanoma	10	A-431	Vulval	0.113

Supplementary Figure 1. Representative IC₅₀ curves for STP-B, recombinant enzyme inhibition assay. Graphs show data from one representative experiment; see Table 1 for the total number of experiments performed.



Supplementary Figure 2A. Mouse body weight change during JURKAT *in vivo* efficacy study. Related to Figure 3B.



Supplementary Figure 2B. Mouse body weight change during JEKO-1 *in vivo* efficacy study. Related to Figure 3A.

