

High-Throughput Screening Identified Compounds Sensitizing Tumor Cells to Glucose Starvation in Culture and VEGF Inhibitors in Vivo

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Supplementary Material

Table S1. List of compounds identified in the HTP.

Molecule Name	Compound Name	SecName	IC50 Glucose Depletion: IC50 (μM)	IC50 Glucose Rich: IC50 (μM)	Reference
PCM-0095674	QNZ		< 0.2	14	1
PCM-0095313	GSK1292263		4.1	> 15.0	
PCM-0095252			< 0.2	> 15.0	
PCM-0094997	Amuvatinib (MP-470)		0.9	> 15.0	
PCM-0091403		DICHLOROEVERNIC ACID	2.3	> 15.0	
PCM-0091267		alpha-TOXICAROL (dl)	< 0.2	> 15.0	2
PCM-0091223		beta-TOXICAROL	< 0.2	> 15.0	2
PCM-0091193		MUNDULONE ACETATE	1.2	12	
PCM-0091161		ANTIMYCIN A	< 0.2	> 15.0	3
PCM-0091132		DEOXSAPPANONE B TRIMETHYL ETHER	4.4	> 15.0	
PCM-0091067		MUNDULONE	0.4	5	2
PCM-0091044		IRIGINOL HEXAACETATE	2.4	> 15.0	
PCM-0090999		DEGUELIN(-)	< 0.2	10.7	4
PCM-0090975		3-METHOXYCATECHOL	2.3	7.1	5
PCM-0090931		2,3,4-TRIHYDROXYBENZALDEHYDE	2.3	> 15.0	
PCM-0090898		MUNDOSERONE	0.6	> 15.0	2
PCM-0090870		ISOROTENONE	< 0.2	> 15.0	2
PCM-0090710		CHLORMIDAZOLE	0.7	> 15.0	
PCM-0090649		BERBERINE CHLORIDE	4.5	> 15.0	6
PCM-0090425	CONCEPTROL	NONOXYNOL-9	0.7	> 15.0	
PCM-0090329	ROCCAL	BENZALKONIUM CHLORIDE	1.6	5.3	
PCM-0090062	CEPACOL	CETYLPYRIDINIUM CHLORIDE	0.5	5	

PCM-0086543	Benzethonium chloride		0.8	6.8	7
PCM-0086538	Methyl benzethonium chloride		2	9.4	7
PCM-0085933	Clofilium tosylate		4	13.8	
PCM-0085900	Antimycin A		< 0.2	> 15.0	8
PCM-0065499	MG 624	N,N,N-Triethyl-2-(4-trans-stilbenoxy)ethylammonium iodide	4.6	> 15.0	
PCM-0065075	Dequalinium dichloride		2.1	14.8	9
PCM-0065000	Papaverine hydrochloride		3.6	> 15.0	10
PCM-0064878	Pentamidine isethionate	4'4-[1,5-Pentanediy]bis(oxy)]bis-benzenecarboximidamide isethionate	4.9	> 15.0	11
PCM-0064697	Benserazide		4.6	> 15.0	

Table S2. Validated compounds found to selectively reduce cell viability upon glucose starvation.

	Viability normalized to control		delta
	Glucose free media	Complete media	
PCM-0085900-001	-89.3	21.6	110.9
PCM-0090931-001	-93.2	8.8	102.0
PCM-0091044-001	-96.3	5.4	101.6
PCM-0091403-001	-93.0	-4.4	88.6
PCM-0090975-001	-87.1	-5.5	81.6
PCM-0090999-001	-83.1	-1.7	81.4
PCM-0091161-001	-87.3	-10.7	76.6
PCM-0086538-002	-79.3	-3.5	75.8
PCM-0091067-001	-98.3	-24.1	74.1
PCM-0091193-001	-74.6	-4.7	69.8
PCM-0064697-003	-55.8	13.0	68.9
PCM-0091223-001	-77.8	-9.2	68.6
PCM-0091267-001	-81.1	-13.2	67.9
PCM-0090870-001	-83.5	-15.8	67.7
PCM-0090425-001	-85.6	-18.7	66.9
PCM-0086538-001	-76.7	-10.2	66.5
PCM-0095330-001	-77.74939	-11.9	65.8
PCM-0090898-001	-75.7	-12.4	63.3

PCM-0065189-002	-50.9	5.2	56.1
PCM-0090710-001	-79.6	-23.9	55.7
PCM-0091069-001	-57.3	-2.6	54.7
PCM-0064624-001	-51.4	3.0	54.4
PCM-0094951-001	-64.47413	-10.2	54.3
PCM-0086543-002	-84.5	-34.9	49.7
PCM-0086543-001	-84.8	-36.1	48.7
PCM-0085888-001	-81.0	-33.0	48.1
PCM-0065075-003	-51.2	-3.2	48.0
PCM-0065075-002	-62.2	-14.7	47.5
PCM-0094992-001	-55.68146	-8.2	47.5
PCM-0090329-001	-74.1	-29.4	44.7
PCM-0090062-001	-90.2	-46.5	43.7
PCM-0065309-001	-80.5	-37.3	43.2
PCM-0065564-001	-98.7	-56.4	42.3
PCM-0086075-002	-52.7	-11.0	41.7
PCM-0086501-002	-55.6	-14.0	41.5
PCM-0064957-002	-66.4	-25.3	41.1
PCM-0064697-002	-52.2	-11.3	40.9
PCM-0094958-001	-58.10148	-18	40.1
PCM-0090990-001	-82.5	-42.9	39.6
PCM-0085933-001	-55.5	-16.4	39.1
PCM-0065000-002	-50.0	-11.6	38.5
PCM-0065022-002	-52.92857	-15.6	37.3
PCM-0064420-001	-95.0	-57.8	37.2
PCM-0085936-001	-98.6	-61.9	36.7
PCM-0095063-001	-81.88943	-47.22	34.7
PCM-0091204-001	-54.9	-20.4	34.4
PCM-0065382-001	-70.0	-36.0	34.0
PCM-0065190-001	-86.3	-53.3	33.0

PCM-0090700-001	-92.5	-59.8	32.7
PCM-0091352-001	-98.0	-65.3	32.7
PCM-0095675-001	-72.9365	-41.4	31.5
PCM-0064596-001	-51.0	-20.4	30.5
PCM-0065075-001	-75.1	-45.1	30.0
PCM-0091392-001	-61.6	-31.7	29.9
PCM-0095398-001	-72.75871	-44.6	28.2
PCM-0086151-001	-64.0	-37.4	26.7
PCM-0086012-002	-55.22988	-29	26.2
PCM-0095292-001	-72.70541	-47.1	25.6
PCM-0064895-005	-66.01478	-40.7	25.3
PCM-0090803-001	-66.2	-43.1	23.1
PCM-0090712-001	-61.3	-38.5	22.8
PCM-0090714-001	-50.2	-27.9	22.4
PCM-0095144-001	-61.3049	-39.6	21.7
PCM-0095710-001	-58.53656	-37.2	21.3
PCM-0086254-001	-57.9	-40.4	17.5
PCM-0064890-002	-62.73515	-47.5	15.2
PCM-0094965-001	-54.38876	-48.5	5.9

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