

Cell Cycle and DNA Damage Repair

Category	Cat. No.	Product Name	Description	Unit Size
ATM & ATR Kinase				
<i>Inhibitors</i>	2639	CGK 733	Selective inhibitor of ATR and ATM kinases	10 mg 50 mg
	3544	KU 55933	Potent and selective ATM kinase inhibitor	10 mg
	4176	KU 60019	Potent ATM kinase inhibitor	10 mg 50 mg
	3190	Mirin	MRN-ATM pathway inhibitor	10 mg 50 mg
Aurora Kinase				
<i>Inhibitors</i>	4291	CCT 137690	Potent pan-Aurora kinase inhibitor	10 mg 50 mg
	4066	TC-A 2317	Potent, selective Aurora kinase A inhibitor	10 mg 50 mg
	2458	ZM 447439	Inhibits Aurora kinase B	10 mg
Casein Kinase 1				
<i>Inhibitors</i>	2902	D 4476	Selective CK1 inhibitor. Also inhibits TGF- β RI	10 mg 50 mg
	3610	(R)-DRF053	Dual CK1/cdk inhibitor	10 mg 50 mg
	4281	PF 4800567	Selective casein kinase 1 ϵ inhibitor	10 mg 50 mg
	3316	PF 670462	Potent and selective CK1 ϵ and CK1 δ inhibitor	10 mg 50 mg
Casein Kinase 2				
<i>Inhibitors</i>	3058	Ellagic acid	Selective inhibitor of CK2. Also inhibits glutathione S-transferase	50 mg
	2275	TBB	Selective cell-permeable CK2 inhibitor	10 mg 50 mg
	3675	TMCB	Dual-kinase inhibitor; inhibits CK2 and ERK8	10 mg 50 mg
Cdc25 Phosphatase				
<i>Inhibitors</i>	1867	NSC 663284	Potent, selective Cdc25 phosphatase inhibitor	10 mg
	1547	NSC 95397	Selective Cdc25 dual specificity phosphatase inhibitor	10 mg 50 mg
Cell Cycle Inhibitors				
<i>Other</i>	1417	Daidzein	Arrests cell cycle in G ₁ phase	50 mg
	3715	Narciclasine	Antiproliferative agent; slows cell cycle progression	1 mg
Checkpoint Kinases				
<i>Inhibitors</i>	3034	NSC 109555	Selective Chk2 inhibitor	10 mg 50 mg
	2694	PD 407824	Selective inhibitor of Chk1 and Wee1	1 mg 10 mg
	4277	PF 477736	Selective Chk1 inhibitor	10 mg 50 mg
	2560	SB 218078	Inhibitor of checkpoint kinase 1 (Chk1)	1 mg 10 mg
	3038	TCS 2312	Potent Chk1 inhibitor	1 mg

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Cyclin-dependent Kinase				
<i>Inhibitors</i>	2072	Aminopurvalanol A	Cyclin-dependent kinase inhibitor	10 mg 50 mg
	2457	Arcyriaflavin A	Potent cdk4/cyclin D1 and CaM Kinase II inhibitor.	10 mg
	3968	AZD 5438	Potent cdk 1, 2 and 9 inhibitor	10 mg 50 mg
	3605	(R)-CR8	Dual cdk1/ckd5 inhibitor. Also inhibits CK1	10 mg 50 mg
	1398	Kenpaullone	Potent cyclin-dependent kinase inhibitor. Also inhibits GSK-3	10 mg
	2152	NSC 625987	Cdk4 inhibitor	10 mg 50 mg
	3135	NU 2058	Cdk1 and cdk2 inhibitor	10 mg 50 mg
	3301	NU 6140	Cdk2 inhibitor	10 mg 50 mg
	3140	PHA 767491	Dual cdc7/ckd9 inhibitor. Also inhibits MK-2	10 mg 50 mg
	1580	Purvalanol A	Cyclin-dependent kinase inhibitor	10 mg 50 mg
	1581	Purvalanol B	Cyclin-dependent kinase inhibitor	10 mg 50 mg
	4181	Ro 3306	Cdk 1 inhibitor	10 mg 50 mg
	2609	Ryuvidine	Cdk4 inhibitor	10 mg 50 mg
	4075	SNS 032	Potent cdk2, cdk7 and cdk9 inhibitor	10 mg 50 mg
	2907	SU 9516	Potent cdk2 inhibitor	10 mg 50 mg
DNA-dependent Protein Kinase				
<i>Inhibitors</i>	3271	Compound 401	Selective DNA-PK and mTOR inhibitor	10 mg 50 mg
	2088	DMNB	DNA-PK inhibitor	10 mg 50 mg
	2828	NU 7026	Selective DNA-PK inhibitor	10 mg 50 mg
	3712	NU 7441	Potent and selective DNA-PK inhibitor	10 mg 50 mg
Kinesin				
<i>Inhibitors</i>	3703	K 858	Selective ATP-uncompetitive mitotic kinesin Eg5 inhibitor	10 mg 50 mg
	1305	Monastrol	Selective inhibitor of mitotic kinesin Eg5	10 mg 50 mg
	2191	S-Trityl-L-cysteine	Potent, selective inhibitor of mitotic kinesin Eg5	50 mg
Methyltransferases				
<i>Inhibitors</i>	3842	5-Azacytidine	DNA methyltransferase inhibitor	50 mg
	4359	Lomeguatrib	MGMT inhibitor	10 mg 50 mg
	3295	RG 108	Non-nucleoside DNA methyltransferase inhibitor	10 mg 50 mg
	3861	UNC 0224	Potent G9a histone lysine methyltransferase (HMTase) inhibitor	10 mg 50 mg
	2293	Zebularine	DNA methyltransferase and cytidine deaminase inhibitor	10 mg

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p53				
<i>Inhibitors</i>	3843	Cyclic Pifithrin- α	p53 inhibitor	10 mg 50 mg
	3503	HLI 373	Hdm2 inhibitor; activates p53-dependent transcription	10 mg 50 mg
	2936	NSC 66811	MDM2 inhibitor. Disrupts MDM2-p53 interaction	10 mg 50 mg
	3984	Nutlin-3	MDM2 antagonist; inhibits MDM2-p53 interaction	10 mg 50 mg
	1267	Pifithrin- α	p53 inhibitor. Also aryl hydrocarbon receptor agonist	10 mg 50 mg
	2443	RITA	p53-MDM2 interaction inhibitor; antitumor	1 mg 10 mg
	3929	SJ 172550	MDMX inhibitor. Disrupts MDMX-p53 interaction	10 mg 50 mg
<i>Other</i>	3023	CP 31398	p53-stabilizing agent	10 mg 50 mg
	3362	MIRA-1	Restores mutant p53 activity; proapoptotic	10 mg 50 mg
	2185	NSC 146109	Cell-permeable, genotype-selective antitumor agent; activates p53-dependent transcription	10 mg 50 mg
	2653	Pifithrin- μ	Inhibitor of p53-mitochondrial binding	10 mg 50 mg
	1862	PRIMA-1	Restores mutant p53 activity; induces apoptosis	10 mg 50 mg
	3710	PRIMA-1 ^{MET}	Restores mutant p53 activity	10 mg
	3214	RETRA	Antitumor agent; suppresses mutant p53-bearing cancer cells	10 mg 50 mg
	3365	Tenovin-1	Activates p53 transcriptional activity	10 mg 50 mg
	3356	WR 1065	p53 activator. Also ROS scavenger	10 mg 50 mg
Polo-like Kinase				
<i>Inhibitors</i>	3116	Cyclapolin 9	Selective, ATP-competitive PLK1 inhibitor	10 mg 50 mg
	2977	GW 843682X	Selective inhibitor of PLK1 and PLK3	1 mg 10 mg 50 mg
	4292	SBE 13	Potent and selective PLK1 inhibitor	10 mg 50 mg
Poly(ADP-ribose) Polymerase				
<i>Inhibitors</i>	3734	BYK 204165	Selective PARP-1 inhibitor	10 mg 50 mg
	3735	BYK 49187	PARP-1 and PARP-2 inhibitor	1 mg
	2496	DR 2313	Potent PARP inhibitor	1 mg 10 mg 50 mg
	4140	EB 47	Potent PARP-1 inhibitor	10 mg 50 mg
	2192	4-HQN	PARP inhibitor	50 mg
	4106	Nicotinamide	PARP-1 inhibitor	50 mg
	1401	NU 1025	Potent PARP inhibitor	10 mg 50 mg
	3255	PJ 34	Potent PARP inhibitor	10 mg 50 mg
	3736	UPF 1069	PARP-2 inhibitor	10 mg 50 mg
	3748	XAV 939	Tankyrase inhibitor; inhibits Wnt signaling	10 mg 50 mg
Telomerase				
<i>Inhibitors</i>	2981	BIBR 1532	Selective telomerase inhibitor	10 mg 50 mg
<i>Other</i>	2483	Costunolide	Inhibitor of human telomerase activity	1 mg 10 mg
	4253	TMPyP4 tosylate	Inhibitor of human telomerase	50 mg

Chemotherapeutics

Cat. No.	Product Name	Description	Unit Size
4219	Banoxantrone	Prodrug topoisomerase II inhibitor	10mg 50mg
3681	Bendamustine	Cytostatic agent; exhibits DNA alkylating and purine analog properties	10mg 50mg
1100	Camptothecin	DNA topoisomerase inhibitor	25mg
2626	Carboplatin	DNA cross-linking antitumor agent	50mg
2251	Cisplatin	Potent pro-apoptotic anticancer agent; activates caspase-3	50mg
2688	CPT 11	DNA topoisomerase I inhibitor; antitumor	10mg 50mg
4091	Cyclophosphamide	Alkylating agent; chemotherapeutic	50mg
2624	Decitabine	DNA methyltransferase inhibitor	10mg 50mg
3857	Dexrazoxane	Topoisomerase II inhibitor	10mg 50mg
4056	Docetaxel	Microtubule stabilizer	10mg 50mg
2252	Doxorubicin	Antitumor antibiotic agent. Inhibits DNA topoisomerase II	10mg 50mg
3260	Epirubicin	Inhibits DNA synthesis and function. Inhibits DNA topoisomerase II.	10mg
1226	Etoposide	Topoisomerase II inhibitor	100mg
3495	Fludarabine	Purine analog; inhibits DNA synthesis	10mg 50mg
3257	5-Fluorouracil	Inhibits RNA and DNA synthesis	50mg
3259	Gemcitabine	DNA synthesis inhibitor	10mg 50mg
4103	6-Mercaptopurine	Purine analog; inhibits DNA and RNA synthesis	50mg
1230	Methotrexate	Cytotoxic agent	100mg
1807	2-Methoxyestradiol	Apoptotic and antiangiogenic agent	10mg 50mg
3258	Mitomycin C	DNA cross-linking antitumor agent	10mg
4250	Mitoxantrone	Topoisomerase II inhibitor; immunosuppressive and antineoplastic agent	50mg
2623	Oxaliplatin	DNA cross-linking antitumor agent	50mg
2684	SN 38	DNA topoisomerase I inhibitor; antitumor	10mg 50mg
1621	Streptozocin	DNA alkylator; antitumor and induces diabetes	100mg 500mg
1097	Taxol	Promotes assembly and inhibits disassembly of microtubules	10mg 50mg
2706	Temozolomide	DNA-methylating antitumor agent	10mg 50mg
4061	6-Thioguanine	Anticancer and immunosuppressive agent	50mg
1256	Vinblastine	Disrupts microtubules	10mg 50mg
1257	Vincristine	Disrupts microtubules	10mg 50mg
3401	Vinorelbine	Selective mitotic microtubule antagonist	10mg 50mg

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