

SUPPLEMENTAL TABLE 2 (Part 1 of 2)
FDA-APPROVED THERAPEUTICS FOR THE TREATMENT OF CANCER

DNA Synthesis Inhibitors (Antimetabolites)			Increasing Precision	testicular and lung cancers	etoposide phosphate	Etopophos; Topusar; VePesid
Approved Indication	Generic Name	Trade Name		certain type of leukemia	gemtuzumab ozogamicin	Mylotarg
multiple cancers	5-fluorouracil (5FU)	Adrucil		certain leukemias	idarubicin	Idamycin PFS
certain leukemias	6-mercaptopurine	Purinethol		multiple cancers	ifosfamide	Ifex
breast and colorectal cancers	capecitabine	Xeloda		certain types of leukemia	inotuzumab ozogamicin	Besponza
certain leukemias; lymphoma	cladribine	Litrak; Movectro		colon, lung, and rectal cancers	irinotecan	Camptosar; Campostar
certain leukemias	clofarabine	Clolar		pancreatic cancer	irinotecan liposome injection	Onivyde
certain leukemias; lymphoma	cytarabine	DepoCyt; Cytosar-U		brain tumors	lomustine	CeeNU
stomach cancer	floxuridine	FUDR		multiple cancers	mechlorethamine hydrochloride	Mustargen
certain leukemias; lymphoma	fludarabine	Fludara		multiple cancers	melfhalan	Alkeran
breast, lung, ovarian, and pancreatic cancers	gemcitabine	Gemzar	certain lymphomas	methoxsalen	Uvadex	
certain leukemias	hydroxyurea	Droxia	multiple cancers	mitoxantrone	Novantrone	
multiple cancers	methotrexate	Rheumatrex; Trexall	colon cancer	oxaliplatin	Eloxatin	
multiple cancers	mitomycin	Mutamycin	testicular cancer	plicamycin	Mithracin	
certain leukemias; lymphoma	nelarabine	Arranon	certain lymphomas	procarbazine	Matulane	
lung and ovarian cancers; mesothelioma	pemetrexed	Alimta	pancreatic cancer	streptozocin	Zanosar	
certain leukemias	pentostatin	Nipent	melanoma; certain brain cancers	temozolomide	Temodar	
certain lymphomas	pralatrexate	Folotylin	certain leukemias	thioguanine	Thioguanine Tabloid	
DNA-damaging Agents			multiple cancers	thiotepa	Thioplex	
Approved Indication	Generic Name	Trade Name	ovarian and small cell lung cancers	topotecan	Hycamtin	
ovarian cancer	altretamine	Hexalen	colorectal cancer and stomach cancer	trifluridine and tipiracil	Lonsurf	
certain leukemias	arsenic trioxide	Trisenox	bladder cancer	valrubicin	Valstar	
multiple cancers	bendamustine	Treanda	Cell Cytoskeleton-modifying Agents			
certain lymphomas; squamous cell and testicular cancers	bleomycin sulfate	Blenoxane	Approved Indication	Generic Name	Trade Name	
certain leukemias	busulfan	Myleran; Busulfex	prostate cancer	cabazitaxel	Jevtana	
breast, lung, and ovarian cancers	carboplatin	Paraplatin; Paraplat	multiple cancers	docetaxel	Taxotere	
brain tumors; certain lymphomas	carmustine	BiCNU	breast cancer; liposarcoma	eribulin mesylate	Halaven	
multiple cancers	chlorambucil	Leukeran	breast cancer	ixabepilone	Ixempra	
multiple cancers	cisplatin	Platinol-AQ	multiple cancers	paclitaxel	Taxol	
multiple cancers	cyclophosphamide	Cytoxan	breast, lung, and pancreatic cancers	paclitaxel albumin-bound particles	Abraxane	
melanoma; certain brain cancers	dacarbazine	DTIC-Dome	certain type of non-Hodgkin lymphoma	polatuzumab vedotin-piiq	Polivy	
multiple cancers	dactinomycin	Cosmegen	multiple cancers	vinblastine	Velban	
certain leukemias	daunorubicin; daunomycin	Cerubidine	certain leukemias and lymphomas	vincristine	Oncovin	
multiple cancers	doxorubicin hydrochloride	Adriamycin PFS; Adriamycin RDF	certain leukemias and lymphomas	vincristine sulfate liposomes	Marqibo	
certain leukemias; breast and stomach cancers	epirubicin hydrochloride	Ellence	breast and lung cancers	vinorelbine tartrate	Navelbine	

Antinutrients			Increasing Precision
Approved Indication	Generic Name	Trade Name	
certain leukemias	asparaginase	Elspar; Kidrolase	
certain leukemias	calaspargase pegol-mknl	Asparlas	
Gene Transcription Modifiers			
Approved Indication	Generic Name	Trade Name	
certain lymphomas	bexarotene	Targretin	
liposarcoma and leiomyosarcoma	trabectedin	Yondelis	
certain leukemias	tretinoin (all-trans retinoic acid)	Vesanoid	
Radiation-emitting Drugs			
Approved Indication	Generic Name	Trade Name	
certain types of neuroendocrine tumors	iobenguane I 131	Azedra	
certain types of neuroendocrine tumors	lutetium 177 dotatate	Lutathera	
prostate cancer bone metastases	radium Ra 223 dichloride	Xofigo	
Cell Death-promoting Agents			
Approved Indication	Generic Name	Trade Name	
certain form of leukemia	venetoclax	Venclexta	
Hormones/Antihormones			
Approved Indication	Generic Name	Trade Name	
prostate cancer	abarelix	Plenaxis	
prostate cancer	abiraterone acetate	Zytiga	
breast cancer	anastrozole	Arimidex	
prostate cancer	apalutamide	Erleada	
prostate cancer	bicalutamide	Casodex	
prostate cancer	darolutamide	Nubeqa	
prostate cancer	degarelix	Firmagon	
prostate cancer	enzalutamide	Xtandi	
prostate cancer	estramustine	Emcyt; Estracyt	
breast cancer	exemestane	Aromasin	
prostate cancer	flutamide	Eulexin	
metastatic breast cancer	fulvestrant	Faslodex	
prostate and breast cancers	goserelin acetate implant	Zoladex	
breast cancer	letrozole	Femara	
prostate cancer	leuprolide acetate	Eligard; Lupron; Viadur	

breast and endometrial cancers	megestrol acetate	Megace; Megace Oral Suspension
breast cancer	tamoxifen	Nolvadex
prostate cancer	triptorelin pamoate	Trelstar Depot
Immune System Modifiers		
Approved Indication	Generic Name	Trade Name
melanoma; kidney cancer	aldesleukin	Proleukin
multiple cancers	interferon alfa-2b	Intron A
myelodysplastic syndrome; certain lymphomas	lenalidomide	Revlimid
Kaposi Sarcoma; multiple myeloma	pomalidomide	Pomalyst
Proteasome Inhibitors		
Approved Indication	Generic Name	Trade Name
multiple myeloma	bortezomib	Velcade
multiple myeloma	carfilzomib	Kyprolis
multiple myeloma	ixazomib	Ninlaro
Protein Translation Inhibitors		
Approved Indication	Generic Name	Trade Name
certain type of leukemia	omacetaxine mepesuccinate	Synribo
Nuclear Export Inhibitors		
Approved Indication	Generic Name	Trade Name
certain type of lymphoma and multiple myeloma	selinexor	Xpovio
Epigenome-modifying Agents		
Approved Indication	Generic Name	Trade Name
myelodysplastic syndrome	azacitidine	Vidaza
certain lymphomas	belinostat	Beleodaq
myelodysplastic syndrome	decitabine	Dacogen
certain type of leukemia	enasidenib*	Idhifa
certain type of leukemia	ivosidenib*	Tibsovo
multiple myeloma	panobinostat	Farydak
certain lymphomas	romidepsin	Istodax
certain types of sarcoma and lymphoma*	tazemetostat	Tazverik
certain lymphomas	vorinostat	Zolinza

* includes companion diagnostic
Some drugs are available in multiple formulations; these have only been listed once.
Where multiple trade names are used, only the most common have been listed.
American Association for Cancer Research (AACR) Cancer Progress Report 2020