

**Agents Available Under CTEP Collaborative Agreements for Clinical and Non-clinical Studies  
as of 11/06/2023**

Agent Name	Alternate Name	Pharmaceutical Collaborator	NSC Number	Drug Monitor	Mechanism of Action	Targets	Classes
Abemaciclib	LY2835219	Eli Lilly	783671	Pelosof	CDK4/6 inhibitor	CDK4/6	Small Molecule
Acalabrutinib		AstraZeneca	806311	Ivy	selectively inhibits Bruton's tyrosine kinase (BTK) with minimal effects on TEC, EGFR, and ITK signaling.	Bruton's tyrosine kinase (BTK)	Small Molecule
Actimab-A		Actinium Pharmaceuticals, Inc.	843488	Pelosof	Antibody Radioconjugate comprising the alpha-particle emitting radionuclide actinium-225 (Ac225) conjugated to lintuzumab, a humanized anti-CD33 monoclonal antibody	CD33+ myeloid-derived suppressor cells (MDSCs)	Antibody Radioconjugate
AMG510		Amgen	825510	Wright	Inhibits G12C-mutated KRAS	mutated KRAS protein	Small Molecule
Amivantamab	JNJ-61186372	Janssen Scientific Affairs, LI	842127	Pickett	Inhibits EGFR and MET signaling	Extracellular domains of EGFR and MET	Bispecific Antibody
APG-1252***	Pelcitoclax	Ascentage	831685	Gore	Inhibits B-cell lymphoma 2 (Bcl-2) and B-cell lymphoma – extra-large (Bcl-xL)	anti-apoptotic Bcl-2 family proteins, including Bcl-2, Bcl-xL, Bcl-w, and Mcl-1	Small Molecule
ASTX660	Tolinapant	Astex Pharmaceuticals	842224	Gore	A dual antagonist of inhibitors of apoptosis proteins X-linked inhibitor of apoptosis protein (XIAP) and (cellular inhibitor of apoptosis proteins 1/2 (cIAP1/2)	Inhibitors of XIAP and cIAP1/2	Small Molecule
ASTX727****	Fixed-Dose Combination of cedazuridine and	Astex Pharmaceuticals	820631	Pelosof	DNA methyltransferase (DNMT) inhibitor	DNA methyltransferase	Small Molecule
Atezolizumab	MPDL3280A	Genentech	783608	Chen	Targets PD-L1 expressed on tumor and infiltrating immune cells, preventing binding to PD-1 and B7.1	programmed cell death ligand 1 (PD-L1)	Monoclonal Antibody
AZD5363	Capivasertib	AstraZeneca	782347	Said	Inhibits all AKT isoforms	AKT	Small Molecule
AZD6738		AstraZeneca	802785	Gore	Inhibits Ataxia Telangiectasia and Rad3 related (ATR) serine/threonine protein kinase	ATR	Small Molecule
Belinostat	PXD 101	Acrotech Biopharma	726630	Pelosof	Histone deacetylase inhibition	Histone deacetylase	Hydroxamic acid
bevacizumab	rhuMAb VEGF	Genentech	704865	Pickett	Binds VEGF to prevent its binding to VEGFR; angiogenesis inhibition	VEGF	Monoclonal Antibody(Humanized)
blinatumomab	AMG-103, MT-103	Amgen	765986	Pickett	bispecific (BiTE specific) antibody targeting CD19	CD19	Monoclonal Antibody
bortezomib	PS-341	Takeda/Millennium	681239	Wright	26S proteasome inhibition (stabilizes p53, p27; inhibits NF-kB activation; alters cyclin-mediated regulation of cell cycle progression)	Proteasome Inhibitor(Proteasome - Complex)	Small Molecule
brentuximab vedotin	SGN-35	Seattle Genetics	749710	Pickett	An antibody drug conjugate targeting CD30 and using an MMAE payload	CD30	Antibody-Drug Conjugate
CA-4948	Interleukin-1 Receptor-Associated Kinase 4 (IRAK-4)	Curis, Inc.	824184	Pickett	Inhibits TLR and IL-1R signaling; Inhibits myddosome signaling; inhibits NFkB activity	IRAK4 and IRAK4-L	Small Molecule
cabozantinib	XL-184	Exelixis	761968	Wright	c-Met; VEGFR2 inhibition	c-Met; VEGFR2	Small Molecule
CB-228		Faeth therapeutics, Inc.	768435	Said	Inhibits Rapamycin complex1/2 (TORC1/TORC2) kinase	TORC1/TORC2	Small Molecule
CBX-12*	alphalex-exatecan	Cybrea 2, Inc	828474	Wright	Alphalex conjugate that contains a topoisomerase I inhibitor exatecan	Topoisomerases I	Peptide Drug Conjugate

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CDX-1140		Celldex	841752	Pickett	Agonist anti-CD40 monoclonal antibody that inhibits cancer cell proliferation or triggers apoptotic cell death	Human CD40	Monoclonal antibody (mAb)
cediranib*	AZD2171	AstraZeneca	732208	Ivy	Angiogenesis inhibitor, VEGFR1, VEGFR2, VEGFR3, PDGFR alpha and beta, FGFR1	VEGFRs, PDGFRs, FGFR1	Small Molecule
Cemiplimab	REGN2810	Regeneron	788843	Pickett	Inhibits programmed death receptor-1	Programmed cell death 1 (PD-1) on the surface of immune cells	Monoclonal Antibody
Cirtuvivint		Biosplice Therapeutics, Inc		Gore	Inhibits CDC-Like Kinases (CLK) and Dual-Specificity Tyrosine-Regulated Kinases (DYRK)	CLK/DYRK kinase	Small Molecule
Cobimetinib	RO5514041, GDC097	Genentech	781257	Wright	Inhibits MAPK signaling pathway	MEK1 and MEK2	Small Molecule
copanlisib*	BAY-80-6946	Bayer	784727	Said	Phosphoinositide 3-kinase (PI3K) inhibitor	pan-PI3K, particularly PI3K-alpha, delta	Small Molecule
dabrafenib mesylate*	GSK2118436B	Novartis	763760	Chen	BRAF inhibition of BRAFV600 mutations	BRAF	Small Molecule
darolutamide	BAY-1841788	Bayer	815949	Wright	A novel nonsteroidal androgen receptor (AR) antagonist	androgen receptor (AR)	Small Molecule
DAY101	Tovorafenib	Day One Biopharmaceuticals, Inc.	800798	Said	A selective Type II pan-RAF kinase inhibitor	pan-RAF kinase	Small Molecule
dinutuximab	Ch14.18	United Therapeutics	764038	Chen	Antibody against GD2	GD2	Monoclonal Antibody (chimeric)
durvalumab	MEDI4736	AstraZeneca/Medimune	778709	Chen	Check point inhibitor. Antibody against programmed cell death ligand 1 (PD-L1)	PD-L1	Monoclonal Antibody
Eltanexor	KPT-8602	Karyopharm Therapeutics	839204	Gore	Selective Inhibitor of Nuclear Export	nuclear export protein, XPO1	Small Molecule
Fianlimab		Regeneron	847987	Pickett	Inhibits immune checkpoint receptor LAG-3	LAG-3 on T cells	Monoclonal Antibody
ganitumab*	AMG-479	ImmunityBio	750008	Chen	Insulin-like Growth Factor-1 Receptor (IGF-1R) antibody	IGF-1R	Small Molecule
Giredestrant	GDC-9545	Genentech	840836	Pickett	Selective estrogen receptor degrader (SERD)	Competitively binds to the ligand binding-domain (LBD) of both wild-type and mutant estrogen receptor (ER)	Small Molecule
Glofitamab	RO7082859	Genetech	845088	Pickett	promotes T-cell activation, proliferation, and tumor cell killing upon binding to CD20 on malignant cells	bivarency for CD20 on B cells and monovalency for CD3 on T cells.	Bispecific antibody
GMI-1271	uproleselan	GlycoMimetics	801708	Gore	Inhibits binding of tumor cells to stroma, potentially inhibiting adherence-mediated chemoresistance.	E-selectin	Antineoplastic, Antithrombotic, Glycolipid, Small Molecule
Iberdomide		Bristol Myers Squibb	833899	Said	Immunomodulatory therapeutic	Induces degradation of transcription factors Aiolos and Ikaros	Small Molecule
ibrutinib	PCI-32765	Pharmacylics	748645	Ivy	Bruton's Tyrosine Kinase (BTK) inhibitor	BTK	Small Molecule
idUrd Prodrug	IPdR	NCI	726188	Pelosof	Prodrug of iododeoxyuridine	DNA polymerase	Small Molecule
Inavolisib	GDC-0077	Genentech	843575	Said	Selectively inhibits the Class I PI3K $\alpha$ isoform (p110 $\alpha$ ), with minimal inhibition of the Class I PI3K $\beta$ , $\gamma$ , and $\delta$ isoforms	Class I PI3K $\alpha$ isoform (p110 $\alpha$ )	Small Molecule

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interleukin-12	IL-12	NCI	672423	Streicher	Made mainly by dendritic cells and macrophages. Causes other immune cells to make cytokines and increases the growth of T lymphocytes. It may also block the growth of new blood vessels.	Binds to the IL-12 receptor found on activated T cells Upon binding, IL-12R-β2 provides binding sites for Tyk2 and Jak2, activating STAT4	Pleiotropic Cytokine
interleukin-15	IL-15	NCI	745101	Streicher	Cytokine that regulates T and natural killer cell activation and proliferation. Shares many biological activities with interleukin 2	Activates JAK kinases, and phosphorylation/activation of transcription activators STAT3, STAT5 and STAT6.	Cytokine
ipatasertib*	GDC-0068	Genentech	781451	Said	an ATP-competitive AKT inhibitor, blocks the phosphoinositide 3-kinase (PI3K)/AKT pathway	all three isoforms of AKT	small molecule
ipilimumab (transfectoma-derived)	MDX-010	Bristol-Myers Squibb	732442	Streicher	Inhibits the B7/CTLA-4 interaction and down regulates T-cell response	CTLA-4 - Antigen	Monoclonal Antibody
ixazomib	MLN9708	Takeda/Millennium	767907	Wright	An orally bioavailable second generation proteasome inhibitor (PI) with antineoplastic activity	Proteasome	Small Molecule
Larotrectinib		Bayer	788607	Wright	Highly-selective, tropomyosin receptor kinase (TRK) inhibitor	NTRK-1, NTRK-2, NTRK-3 gene fusions; TrkA/B/C fusion proteins	Small Molecule
Lutetium	Lu <sup>177</sup> Dotatate	Novartis	815530	Pelosof	Radiopharmaceutical that binds to somatostatin receptor, is internalized and accumulates in lysosomes.	Somatostatin receptor	Radiopharmaceutical
M1774*****	VXc 400 or VRT 1363004	EMD Serono (Merck KGaA)	831851	Gore	Selectively inhibits ataxia telangiectasia mutated and Rad3 related (ATR) protein kinase	ATR	Small Molecule
M3814	MSC2490484A	EMD Serono (Merck KGaA)	802447	Gore	DNA-PK inhibition, delays DNA repair of the DSB pathway in solid tumors and hematologic malignancies	DNA-dependent protein kinase (DNA-PK)	Small Molecule
M6620	VX-970	EMD Serono (Merck KGaA)	780162	Gore	Inhibits ataxia telangiectasia mutated and Rad3-related (ATR) kinase	ATR	Small Molecule
methoxyamine hydrochloride	TRC-102	Tracon	3801	Gore	Small molecule inhibitor of the DNA Base Excision Repair (BER) pathway	BER	Small Molecule
Mirdametinib		SpringWorks Therapeutics, Inc.	755770	Said	Inhibits MAPK signaling pathway	MEK1 and MEK2	Small Molecule
Mogamulizumab	KW-0761	Kyowa Kirin	791064	Chen	Defucosylated humanized IgG1 mAb against C-C chemokine receptor 4 (CCR4)	C-C chemokine receptor 4	Monoclonal Antibody
Mosunetuzumab		Genentech	833090	Pickett	Simultaneously targets CD20 on B-cells and CD3 on T-cells by redirecting endogenous T-cells to engage and eliminate tumor-specific CD20-	CD20 on B-cells and CD3 on T-cells	Full length IgG1 antibody
Nemvaleukin Alfa		Alkermes, Inc.	836408	Streicher	Binds to the IL-2R complex to preferentially activate memory cytotoxic CD8+T cells and natural killer (NK) cells without expanding	IL-2R complex	Engineered IL-2 variant
nivolumab	BMS-936558	Bristol-Myers Squibb	748726	Streicher	Humanized IgG4 mAb against programmed death 1 receptor (PD-1)	PD-1	Antibody
olaparib	AZD2281	AstraZeneca	747856	Ivy	Polyadenosine 5'diphosphoribose[poly (ADP ribose)] Polymerase (PARP) inhibitor, PARylation inhibitor and PARP trapper, <u>Class II, moderate</u> trapper. Binding prevents PARP-mediated DNA repair of single strand DNA breaks via base-excision repair	PARP	Small Molecule

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osimertinib	AZD9291	AstraZeneca	781254	Said	3rd generation epidermal growth factor receptor mutation (mEGFR) inhibitor	mEGFR and the dominant acquired T790M resistance mutation	Small Molecule
pembrolizumab	MK-3475	Merck	776864	Streicher	Humanized IgG4 mAb against programmed death 1 receptor (PD-1)	PD-1	Antibody
Pidnarulex	CX-5461	Senhwa Biosciences, Inc.	845292	Gore	G-Quadruplex-stabilizer (Quinolone Derivative)	it causes replication fork stalling and promotes DNA damage resulting in cell death homologous recombination deficiency (HRD) tumors.	Small Molecule
pomalidomide	CC-4047	Celgene/BMS	767909	Streicher	Angiogenesis inhibitor, vascular endothelial growth factor (VEGF) inhibition	Angiogenesis(VEGF - Protein), Angiogenesis(TNF - Protein)	Small Molecule
radium <sup>223</sup>	Radium223	Bayer	793433	Pelosof	alpha particle-emitting radionuclides		Radiopharmaceutical
METxMET	REGN5093	Regeneron	849708	Pickett	Binds to two distinct epitopes of MET, thus blocking HGF binding and induces internalization and degradation of MET	MET (receptor tyrosine kinase)	Bispecific Antibody
relatlimab**	BMS-986016	Bristol-Myers Squibb	783201	Streicher	inhibitor of the LAG-3 checkpoint receptor	LAG-3	Monoclonal Antibody
savolitinib	AZD6094	AstraZeneca	785348	Wright	specific, small molecule inhibitor of the MET receptor kinase	cMet	Small Molecule
selinexor	XPOVIO	Karyopharm Therapeutics	781780	Gore	Selective Inhibitor of Nuclear Export	nuclear export protein, XPO1	Small Molecule
selumetinib*	AZD6244	AstraZeneca	748727	Wright	MAPK/ERK Kinase (MEK) inhibition	MEK enzyme	Small Molecule
sorafenib tosylate	BAY 43-9006, BAY 54-9085	Bayer	724772	Wright	Raf kinase inhibitor, receptor tyrosine kinase (RTK) inhibitor (VEGFR-2, Flt3, cKIT), PDGFR inhibitor, Ret inhibitor, angiogenesis inhibition	Signal Transduction(Raf kinase, VEGFR2, PDGFR, c-kit - Protein)	Small Molecule(Bi-aryl urea)
sunitinib malate	SU011248, L-malate	Pfizer	736511	Gore	alpha/beta, VEGFR 1,2,3, KIT, RET, CSF-1R, FLT3	VEGF2, c-KIT, Flt-3, and PDGFR beta	Small Molecule
talazoparib	BMN 673 (MDV 38000)	Pfizer	771561	Ivy	Polyadenosine 5' diphosphoribose[poly (ADP ribose)] Polymerase (PARP) inhibitor, PARylation inhibitor and PARP trapper, <u>Class II, strong trapper</u> . Binding prevents PARP-mediated DNA repair of single strand DNA breaks via base-excision repair	PARP 1 and 2 inhibitor	Small Molecule
Tazemetostat		Epizyme/Ipsen	791066	Pelosof	Inhibits Enhancer of zeste homolog 2 (EZH2)	EZH2	Small Molecule
Teclistamab		Janssen Research and Development, LLC	840815	Pickett	Bispecific antibody that targets the CD3 receptor expressed on the surface of T cells and BCMA expressed on the surface of malignant multiple myeloma B lineage cells and leads to cell death of the BCMA+ cells	BCMA+ malignant B cells	Bispecific antibody
Telaglenastat	CB-839	Cornerstone Pharmaceuticals, Inc	795998	Pelosof	Inhibits human Glutaminase	Glutaminase	Small Molecule
Tin-117m-DTPA		Serene		Pelosof	Radiopharmaceutical that selectively accumulates in bone metastases		Radiopharmaceutical
Tiragolumab	RO7092284	Genentech	827799	Chen	Binds and inhibits T cell immunoreceptor with Ig and ITIM domains (TIGIT) expressed on the subsets of activated T cells, natural killer (NK) cells and tumor-infiltrating immune cells.	T cell immunoreceptor with Ig and ITIM domains	Monoclonal antibody
trametinib*	GSK112021	Novartis	763093	Chen	Potent and highly selective inhibitor of MEK1/2 activation and kinase activity	MEK enzyme	Small Molecule
trastuzumab deruxtecan	DS-8201a	Daiichi Sankyo	807708	Pickett	HER2-targeted antibody-drug conjugate - inhibits topoisomerase I which leads to apoptosis of the target cells	Human Epidermal Growth Factor Receptor 2 (HER2)	Monoclonal Antibody-drug conjugate

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TRC-105		Tracon	754227	Gore	monoclonal antibody for CD105	CD105	Monoclonal Antibody
triapine		Nanopharmaceutics, Inc.	663249	Ivy	Ribonucleotide reductase (RR) inhibitor inhibits the metal binding subunit (M2) of RR, which is essential for DNA synthesis and repair.	DNA Synthesis(RR M2 subunit - Enzyme)	Small Molecule
varlilumab	CDX-1127	Celldex	778372	Chen	fully human monoclonal antibody that targets CD27	CD27 and activates tumor specific T cells	Monoclonal Antibody
venetoclax	ABT-199	Abbvie/Genentech	766270	Gore	Bcl-2-selective inhibitor that disrupts Bcl-2 signaling in cells and rapidly induces multiple hallmarks of apoptotic cell death in Bcl-2-dependent tumor cells	Bcl-2 and with lower affinity to Bcl-XL and Bcl-w	Small Molecule
VXc-984*	M9831	EMD Serono (Merck KGaA)	789705	Gore	DNA-PK inhibition	DNA-dependent protein kinase (DNA-PK)	Small Molecule
ZEN-3694	ZEN003694	Zenith Epigenetics Ltd.	824453	Pelosof	epigenetically regulates gene expression through BET inhibition, targeting BET proteins leads to inhibition of tumor growth in multiple cancer types, through cell cycle arrest and induction of senescence and apoptosis.	Bromodomain and Extra-Terminal motif (BET) inhibitor	Small Molecule
z-endoxifen HCl		NCI	750393	Streicher	Endoxifen, a cytochrome P450 mediated tamoxifen metabolite, is an anti-estrogen	Targets estrogen receptor-alpha	Small Molecule
ziv-aflibercept	VEGF-Trap	Sanofi Aventis	724770	Ivy	Chimeric IgG-VEGFR-1+VEGFR-2 molecule binds to VEGF to prevent its binding to VEGFR-1(Flt-1) and VEGFR-2 (KDR/Flk-1) receptors; angiogenesis inhibition	VEGF	Protein
<b>* - Non-clinical requests only</b>	<b>** - Only available in combination with nivolumab</b>	<b>*** - Only available for solid tumor indications</b>	<b>**** - Only available for clinical studies</b>	<b>Discuss with Dr. Gore before preparing/submitting an LOI</b>			