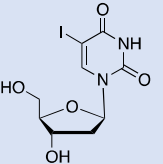
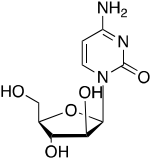
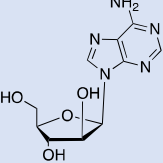
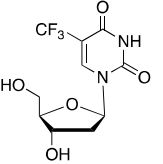



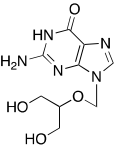
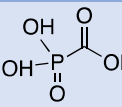
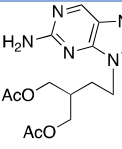
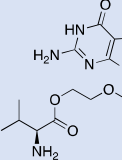
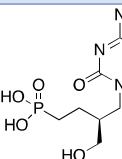
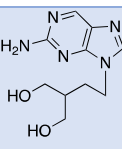
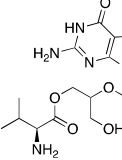
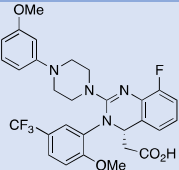
Supplementary Materials

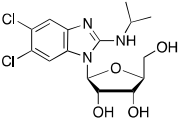
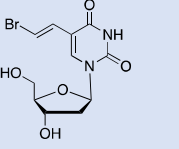
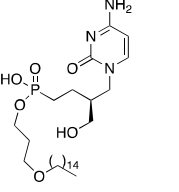
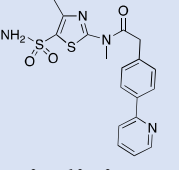
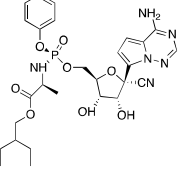
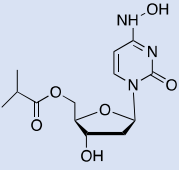
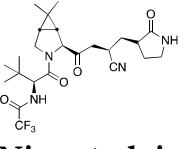
Viral Nucleases from Herpesviruses and Coronavirus in Recombination and Proofreading; Potential Targets for Antiviral Drug Discovery

Lee R. Wright, Dennis L. Wright and Sandra K. Weller

Table S1. Therapeutic agents used to treat HHV and HCoV infections

Drug Name	Approval	Indication	Compound Class	Target
 Idoxuridine	1962	HSV keratitis	nucleoside (deoxyuridine analog)	viral DNA polymerase
 Cytarabine	1969	HSV (primarily used as an oncological agent)	nucleoside (cytosine analog)	viral DNA polymerase
 Vidarabine	1976	HSV, VZV (topical)	nucleoside (adenosine analog)	viral DNA polymerase
 Trifluridine	1980	HSV keratitis	nucleoside (deoxythymidine analog)	viral DNA polymerase
 Acyclovir	1982	HSV, VZV	nucleoside (guanosine analog)	viral DNA polymerase

 Ganciclovir	1988	CMV, HSV keratitis	nucleoside (guanosine analog)	viral DNA polymerase
 Foscarnet	1991	HSV, CMV	Phosphonate (pyrophosphate mimic)	viral DNA polymerase
 Famciclovir	1994	Herpes zoster	penciclovir diacetate ester prodrug	viral DNA polymerase
 Valaciclovir	1995	HSV (general)	acyclovir valine ester prodrug	viral DNA polymerase
 Cidofovir	1996	CMV retinitis	nucleotide (cytidine analog)	viral DNA polymerase
 Penciclovir	1996	Herpes labialis (topical)	nucleoside (guanosine analog)	viral DNA polymerase
 Valganciclovir	2001	CMV	ganciclovir valine ester prodrug	viral DNA polymerase
 Letermovir	2017	CMV	allosteric inhibitor	CMV terminase

 Maribavir	2021	CMV (refractory)	kinase inhibitor	CMV pUL97
 Brivudine	Europe only	Herpes zoster	nucleoside (deoxythymidine analog)	viral DNA polymerase
 Brincidofovir	Investigational (approved 2021 for smallpox)	broad HHV	cidofovir lipid conjugated prodrug	viral DNA polymerase
 Pritelivir	Investigational	HSV	allosteric inhibitor	HSV helicase-primase complex
 Remdesivir	2020	SARS-CoV-2	nucleotide prodrug	RNA-dependent RNA-polymerase
 Molnupiravir	EUA (2021)	SARS-CoV-2	nucleoside prodrug (cytidine analog)	RNA-dependent RNA-polymerase
 Nirmatrelvir	EUA (2021, in combination with ritonavir)	SARS-CoV-2	protease inhibitor	Viral C3-like-protease