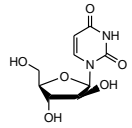
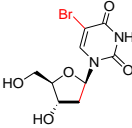
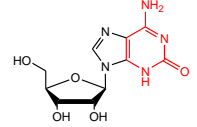
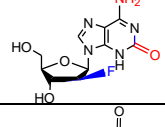
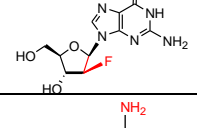
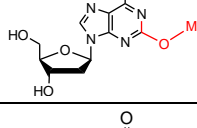
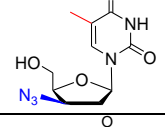
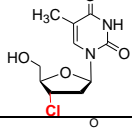
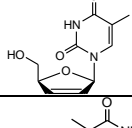
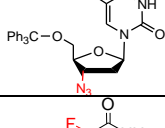
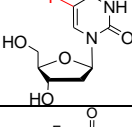
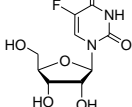
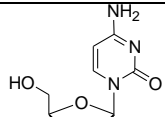
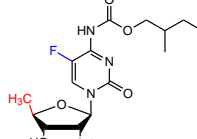
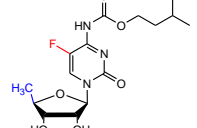
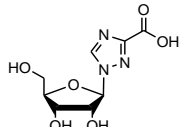
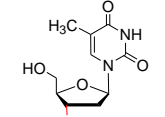
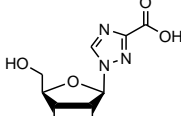
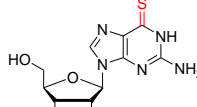
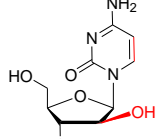
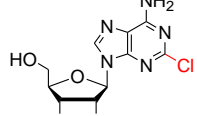


## Related Substances and Metabolites of Drugs

Nucleoside related substances (Impurities)	Structures	The drug
<b>GL100158</b> CAS#3083-77-0 Arauridine, spongouridin; (Impurity of Cytarabine GL101972)		<b>GL101972</b> ; CAS#147-94-4, Cytarabine, Aracytidine, DNA polymerase inhibitor, antiviral drug, Antineoplastic
<b>GL100250</b> CAS#59-14-3 5-Bromo-2'-deoxyuridine (Impurity of Idoxuridine GL100246)		<b>GL100246</b> ; CAS#54-42-2 Idoxuridine, 5-Iodo-2'-deoxy uridine; antiviral agent, DNA polymerase inhibitor
<b>GL100323</b> ; CAS#1818-71-9 Isoguanosine, 2-Hydroxy adenosine; IMP pyrophosphorylase inhibitor, di- and tri-phosphate inhibitor (Impurity B of fludarabine GL101977)		<b>GL101977</b> ; CAS#21679-14-1 Fludarabine, 2-Fluoro-arabino adenosine, antineoplastic drug, antimetabolite
<b>GL100566</b> ; CAS#899827-82-8 2'-Deoxy-2'-fluoro-arabinoisoguanosine (Impurity B of Clofarabine GL100565)		<b>GL100565</b> CAS#123318-82-1 Clofarabine; anticancer drug, DNA /RNA polymerase inhibitors
<b>GL100945</b> ; CAS#103884-98-6 2'-Deoxy-2'-fluoro-beta-D-arabino guanosine (Impurity C of Clofarabine GL100565)		<b>GL100565</b> CAS#123318-82-1 Clofarabine; anticancer drug, DNA /RNA polymerase inhibitors
<b>GL100649</b> CAS#24757-70-8 2-Methoxy-2'-deoxyadenosine (Impurity A of Cladribine GL100647)		<b>GL100647</b> ; CAS#4291-63-8 Cladribine, Leustatine, 2-Chloro-2'-deoxyadenosine; Antineoplastic, antimetabolite
<b>GL100679</b> ; CAS#73971-82-1 1-(3-β-Azido-2,3-dideoxy-β-D-threo-pentafuranosyl) thymine; AZT (threo), HIV-1 inhibitor (Impurity of Zidovudine GL101973)		<b>GL101973</b> CAS#30516-87-1 Zidovudine, Retrovir, 3'-Azido-3-deoxythymidine, AZT, ZDV, HIV drug, RT inhibitor, chain terminator, RdRp inhibitor
<b>GL101668</b> ; CAS#25526-94-7 3'-Deoxy-3'-chlorothymidine; ClddT (Impurity B of Zidovudine GL101973)		
<b>GL101976</b> ; CAS#3056-17-5; 2',3'-Dideoxy-2',3'- didehydrothymidine, D4T, Stavudine, HIV drug, RT, RdDp inhibitor (Impurity A of Zidovudine GL101973)		
<b>GL102079</b> ; CAS#29706-84-1 3'-Azido-5'-O-trityl-2',3'-dideoxy-5-methyluridine (Impurity of Zidovudine GL101973)		5-Fluorouracil, 5-FU, Fluracil antimetabolite, anticancer drug
<b>GL101145</b> ; CAS#50-91-9 2'-Deoxy-5-fluorouridine, Floxuridine anticancer drug (Impurity of 5-fluorouracil)		
<b>GL101383</b> CAS#77180-80-4, 5-Fluorouridine (Impurity of 5-fluorouracil)		

<b>GL101381</b> ; CAS#7481-88-1 2',3'-Dideoxy-2',3'-didehydro-cytidine, D4C, HIV-1 inhibitor (Impurity A of Zalcitabine GL101382)		<b>GL101382</b> ; CAS#7481-89-2 Zalcitabine, ddC, HIV drug, RT/RdRp inhibitor
<b>GL101898</b> ; CAS#910129-15-6 5'-Deoxy-5-fluoro-N <sup>d</sup> -(2-methyl butoxy)carbonyl]-cytidine (Impurity E of Capecitabine)		Capecitabine, Xeloda, anticancer drug
<b>GL101899</b> ; CAS#162204-30-0 5'-Deoxy-5-fluoro-N <sup>d</sup> -(isopentyloxy carbonyl)cytidine (Impurity F of Capecitabine)		
<b>GL102028</b> ; CAS#39925-19-4 1-β-D-ribofuranosyl-1H-1,2,4-triazole-3-carboxylic acid; Ribavirin carboxylic acid (Impurity A of Ribavirin)		<b>GL102027</b> CAS#36791-04-5 Ribavirin, antiviral drug, HCV drug
<b>Metabolites of drugs</b>		<b>The Drugs</b>
<b>GL101668</b> CAS#25526-94-7 3'-Deoxy-3'-chlorothymidine; ClddT (Metabolite of Zidovudine GL101973)		<b>GL101973</b> ; CAS#30516-87-1 Zidovudine, Retrovir, AZT, HIV drug, RT inhibitor, chain terminator, RdRp inhibitor
<b>GL102028</b> ; CAS#39925-19-4 1-β-D-ribofuranosyl-1H-1,2,4-triazole-3-carboxylic acid; Ribavirin carboxylic acid (Metabolite of Ribavirin GL102027)		<b>GL102027</b> CAS#36791-04-5 Ribavirin, antiviral drug, HCV drug
<b>GL101009</b> CAS#85-31-4; 6-Thioguanosine, anti-metabolic anticancer agent (Metabolite of Azathioprine)		Metabolite of Azathioprine, anti-inflammatory drug
<b>GL101972</b> ; CAS#147-94-4 Aracytidine, Cytarabine, DNA polymerase inhibitor, antiviral drug, Leukemia, Antineoplastic (Metabolite of ancitabine GL100670)		<b>GL100670</b> CAS#31698-14-3 Ancitabine; 2,2'-O-cyclocytidine
<b>GL101374</b> CAS#146-77-0, 2-Chloroadenosine (Metabolite of Cladribine GL100647)		<b>GL100647</b> ; CAS#4291-63-8 Cladribine, Leustatine, Antineoplastic, antimetabolite