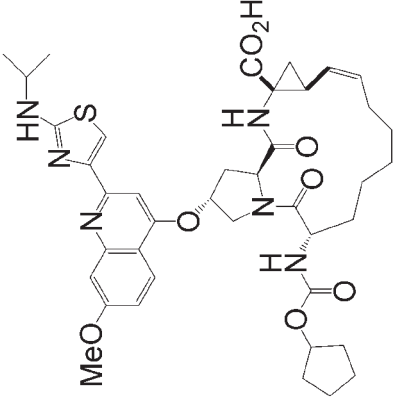
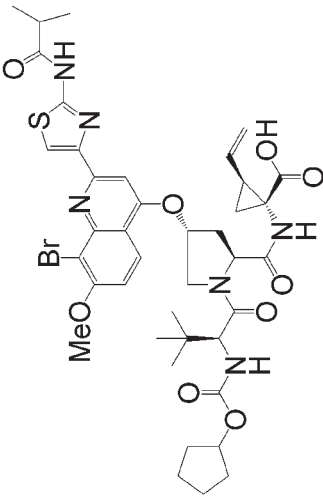
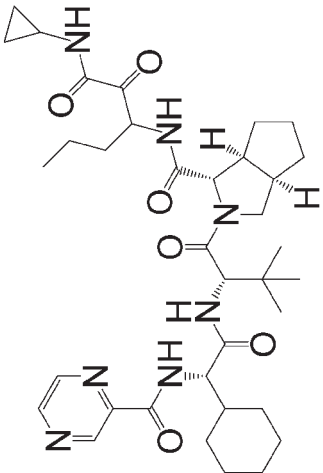
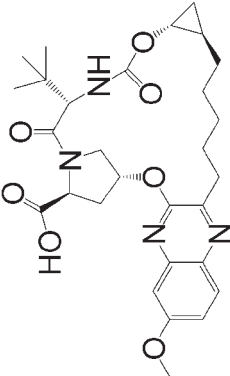


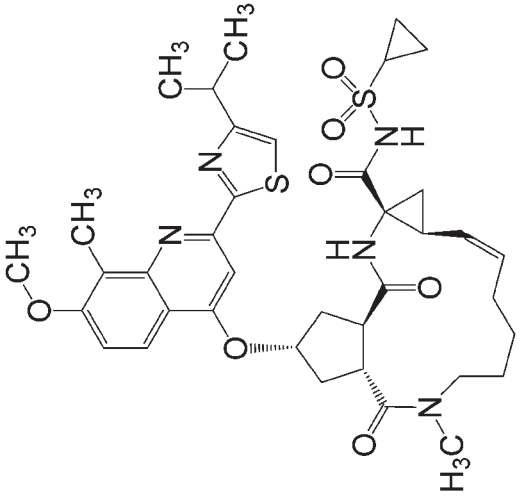
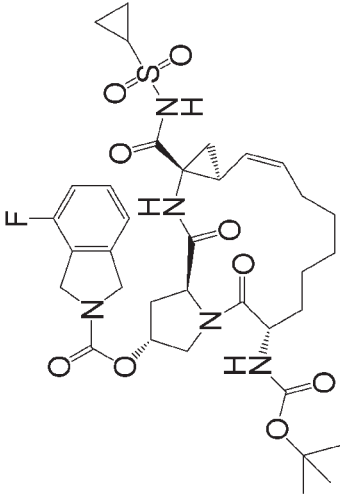
Figure 1: HCV Protease Inhibitors

#	Name	Structure
1004	BILN-2061	
1005	BI-201335 BI335	

#	Name	Structure
1001	Telaprevir VX-950	
1002	MK-5172	
1003	ABT-450	

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Figure 1 (cont.): HCV Protease Inhibitors

#	Name	Structure
1013	TMC-435 TMC-435350	
1014	Danoprevir ITMN-191 RG7227 RO5190591	

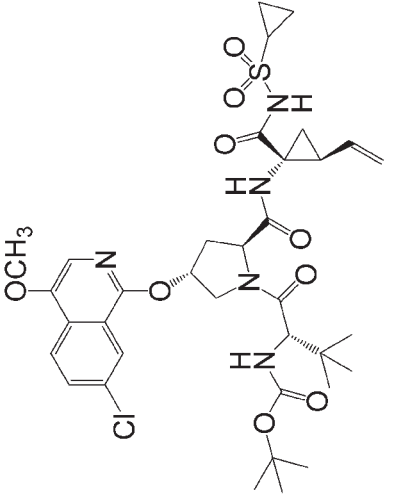
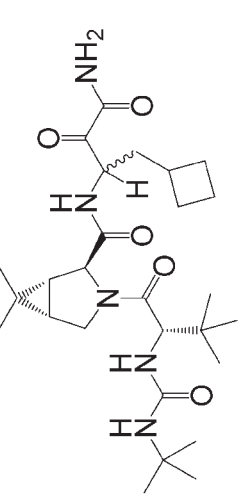
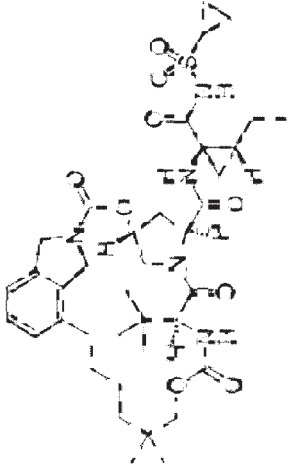
#	Name	Structure
1006	BMS-650032 BM032 Asunaprevir	
1007	Boceprevir SCH 503034	
1008	GS-9256	
1009	GS-9451	
1010	IDX-320	
1011	ACH-1625	
1012	ACH-2684	

Figure 1 (cont.): HCV Protease Inhibitors

#	Name	Structure
1015	MK-7009 Vaniprevir	
1016	PHX1766	

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Figure 2: HCV Polymerase Inhibitors – Nucleosides, Nucleotides and Analogs Thereof

#	Name	Structure
2004	PSI-352938 GS-938	
2005	4'-azidouridine and its prodrugs	
2006	PSI-661	
2007	GS-6620	
2008	TMC649128	

#	Name	Structure
2001	RG7128 Mericitabine	
2002	PSI-7851	
2003	PSI-7977 GS-7977, Sofosbuvir	

Figure 2 (cont.): HCV Polymerase Inhibitors – Nucleosides, Nucleotides and Analogs Thereof

#	Name	Structure
2009	NM283	
2010	BCX5191	
2011	IDX19368	
2012	IDX19370	

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Figure 3: HCV Polymerase Inhibitors – Non-Nucleosides

#	Name	Structure
3004	HCV-796	
3005	BI-207127	
3006	GS-9190	
3007	Filbuvir PF-00868554	

#	Name	Structure
3001	ABT-333	
3002	ANA-598 Setrobuvir	
3003	VX-222 S1480 VCH-222	

Figure 3 (cont.): HCV Polymerase Inhibitors – Non-Nucleosides

#	Name	Structure
3011	TMC647055	
3012	BMS-791325	
3013	PPI-383	
3014	GS9669	

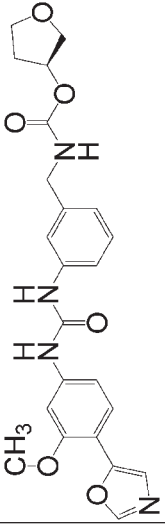
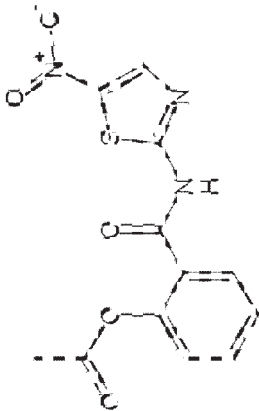
#	Name	Structure
3008	VX-497	
3009	ABT-072	
3010	MK-3281	

Figure 4: NS5A Inhibitors

#	Name	Structure
4001	BMS-790052 BMS052 S1482 Daclatasvir	
4002	PPI-461	
4003	ACH-2928	
4004	GS-5885	
4005	BMS-824393	
4006	ABT 267	
4007	ACH-3102	
4008	AZD-7295	
4009	IDX719	
4010	PPI-668	
4011	MK8742	
4012	GSK805	

Figure 5: Other Antivirals and Ribavirin

#	Name	Structure
5001	Debio-025 Alisporivir	
5002	MIR-122	
5003	clemizole	
5004	ITX 5061	
5005	BIT225	
5006	NIM811	
5007	SCY-635	
5008	Nitazoxanide	
5009	Miravirsen	

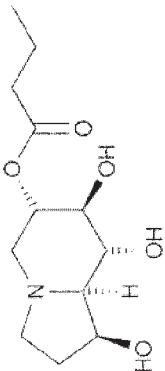
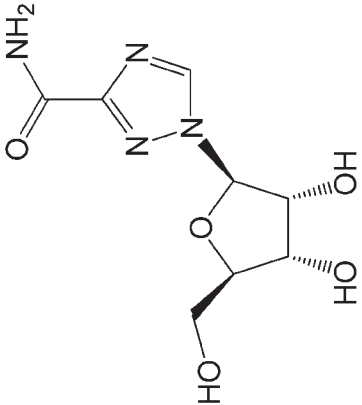
#	Name	Structure
5010	Celgosivir	
5011	GS9620	
5012	Ribavirin	

Figure 6: Compounds of Formula (CC) and alpha-thiotriphosphates thereof

#	Structure
6000	
6001	
6002	
6003	
6004	

Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

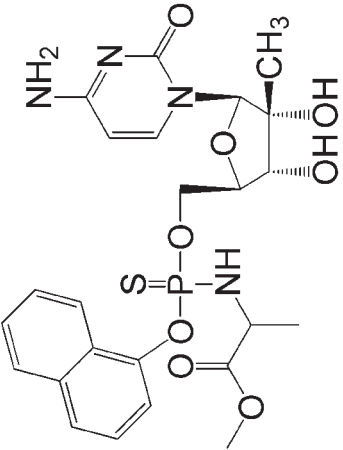
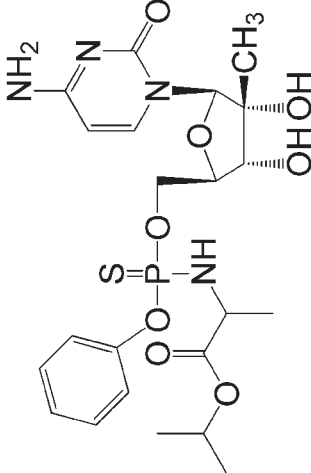
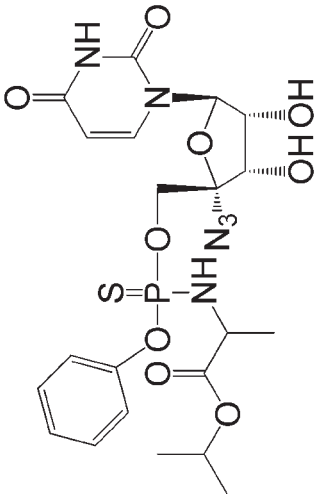
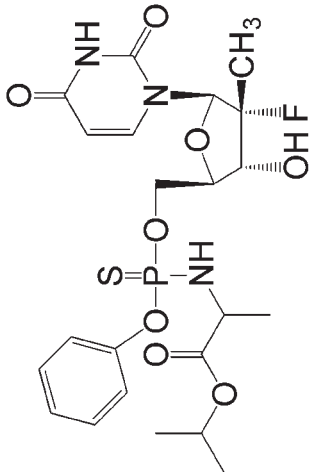
#	Structure
6007	
6008	
6005	
6006	

Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

#	Structure
6009	
6010	
6011	
6012	
6013	

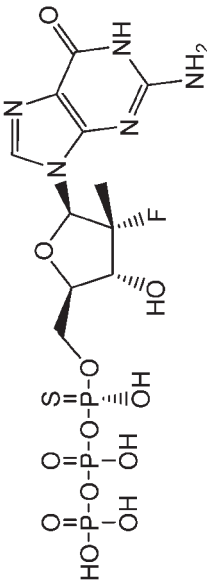
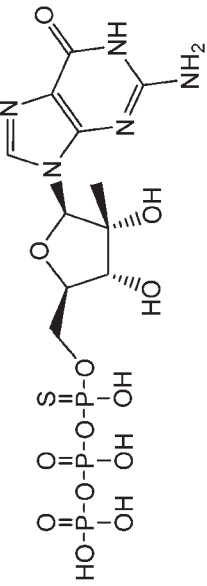
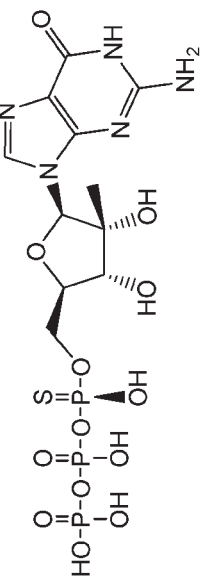
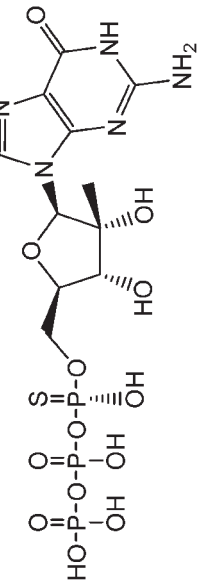
Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

#	Structure
6014	
6015	
6016	
6017	

Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

#	Structure
6021	
6022	
6023	
6018	
6019	
6020	

Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

#	Structure
6027	
6028	
6029	
6030	

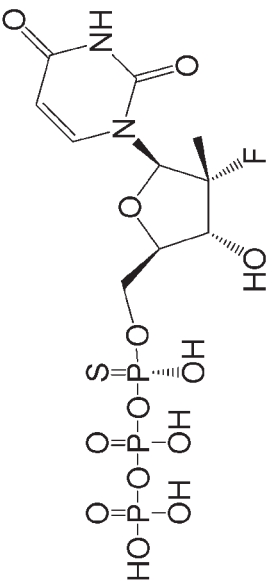
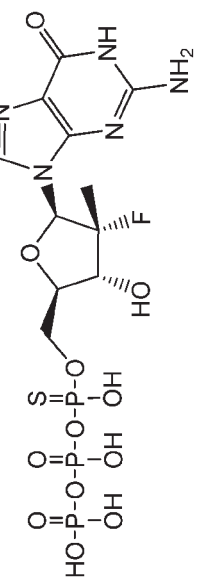
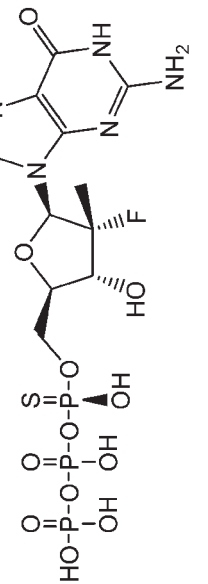
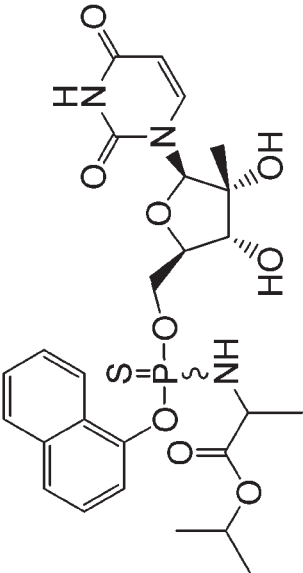
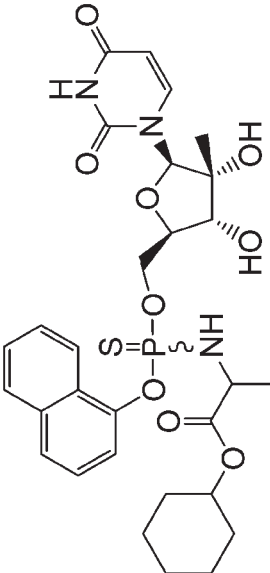
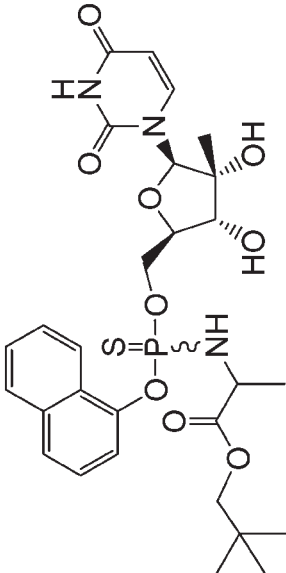
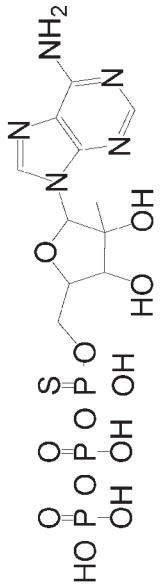
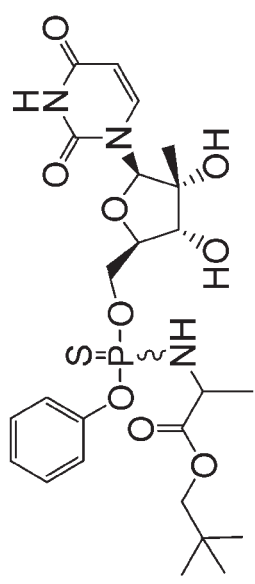
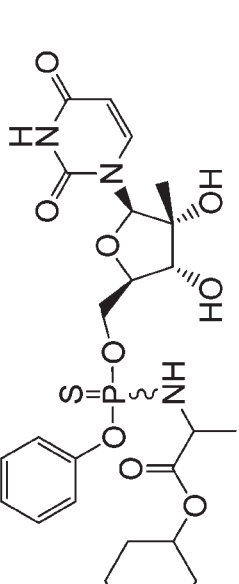
#	Structure
6024	
6025	
6026	

Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

#	Structure
6034	
6035	
6036	
6031	
6032	
6033	

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Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

#	Structure
6040	
6041	
6042	
6037	
6038	
6039	

Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

#	Structure
6046	
6047	
6048	
6043	
6044	
6045	

Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

#	Structure
6051	 <chem>CC(C)OC(=O)N[P@@](S)(OC1=CC=CC=C1)OP[C@H]2O[C@H](C[C@H](O)[C@H]2N3C=NC4=C(N)N=CN=C4C3C5CC5)[C@H]3O[C@H](C[C@H](O)[C@H]3O)C5</chem>
6052	 <chem>CC(C)OC(=O)N[P@@](S)(OC1=CC=CC=C1)OP[C@H]2O[C@H](C[C@H](O)[C@H]2N3C=NC4=C(N)N=CN=C4C3C5CC5)[C@H]3O[C@H](C[C@H](O)[C@H]3O)C5</chem>

#	Structure
6049	 <chem>CC(C)OC(=O)N[P@@](S)(OC1=CC=CC=C1)OP[C@H]2O[C@H](C[C@H](O)[C@H]2N3C=NC4=C(N)N=CN=C4C3C5CC5)[C@H]3O[C@H](C[C@H](O)[C@H]3O)C5</chem>
6050	 <chem>CC(C)OC(=O)N[P@@](S)(OC1=CC=CC=C1)OP[C@H]2O[C@H](C[C@H](O)[C@H]2N3C=NC4=C(N)N=CN=C4C3C5CC5)[C@H]3O[C@H](C[C@H](O)[C@H]3O)C5</chem>

Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

#	Structure
6055	
6056	
6057	
6053	
6054	

Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

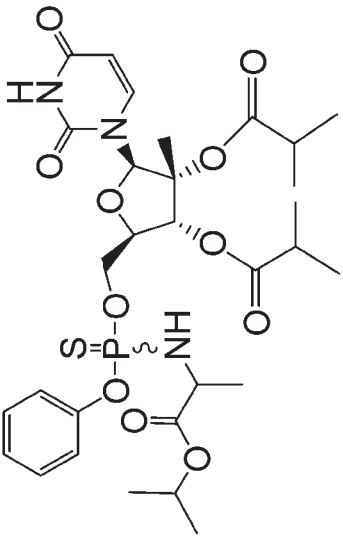
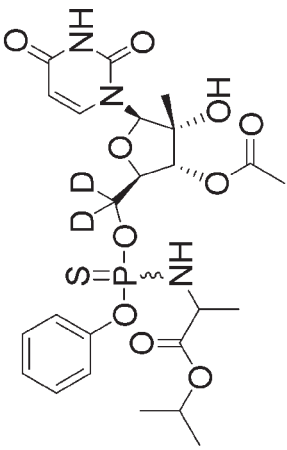
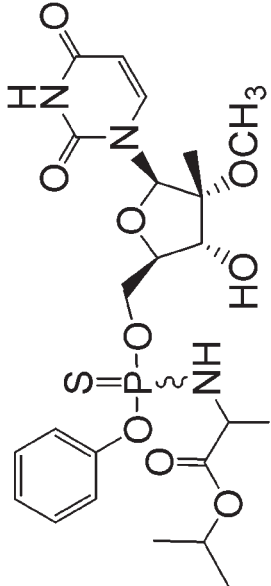
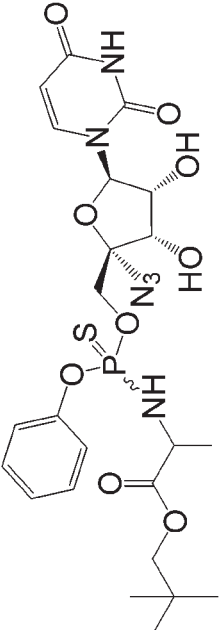
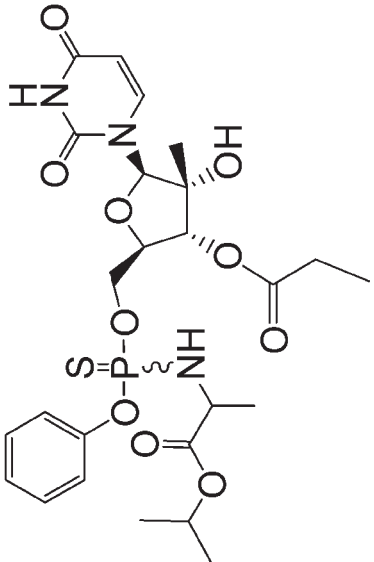
#	Structure
6060	
6061	
6062	
6058	
6059	

Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

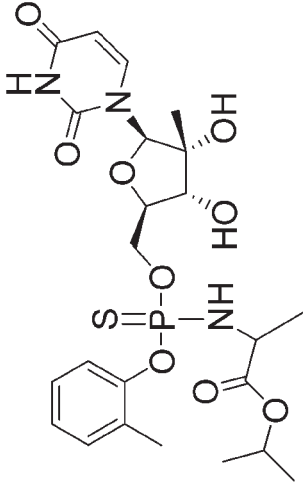
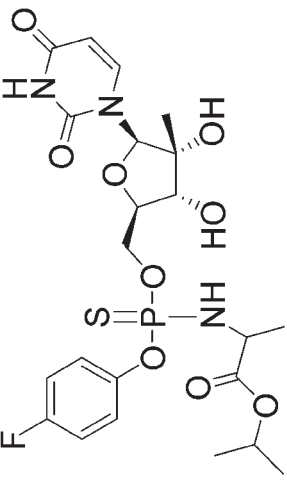
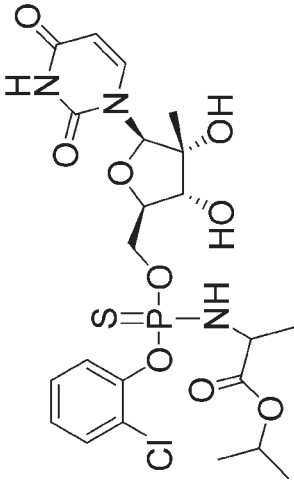
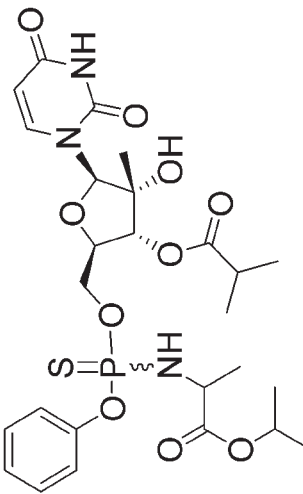
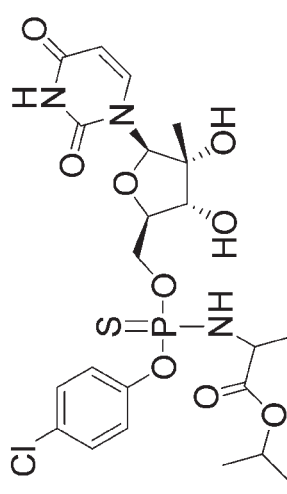
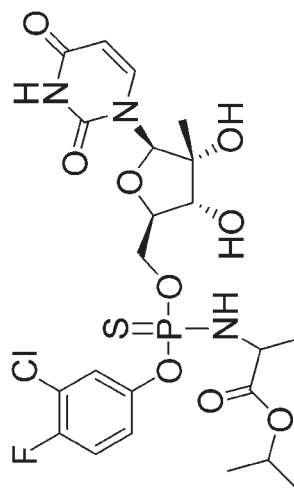
#	Structure
6066	
6067	
6068	
6063	
6064	
6065	

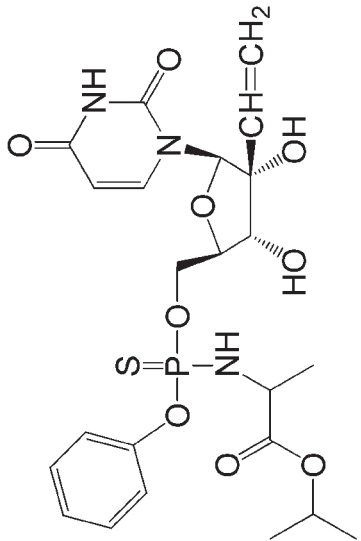
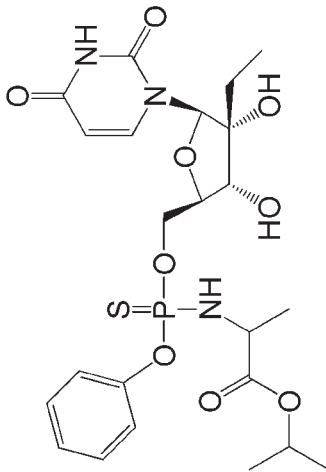
Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

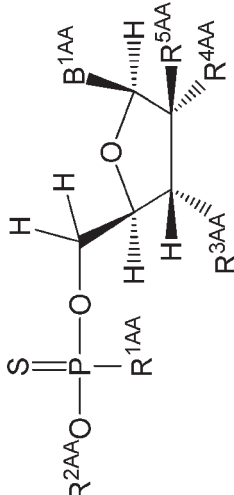
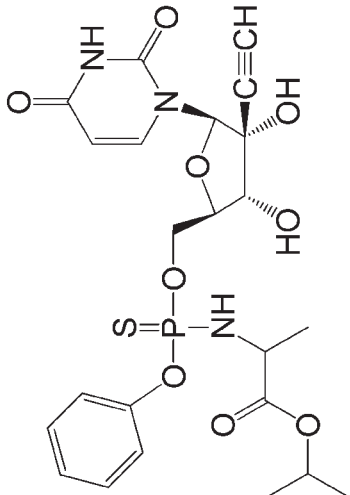
#	Structure
6072	 <chem>CC(C)OC(=O)NCP(=S)(Oc1cccnc1)O[C@H]1C[C@@H](O)[C@H](N2C=CN(C(=O)NC2=O)[C@H]1O)S</chem>
6073	 <chem>CC(C)OC(=O)NCP(=S)(Oc1ccccc1)O[C@H]1C[C@@H](O)[C@H](N2C=CN(C(=O)NC2=O)[C@H]1O)S</chem>
6074	 <chem>CC(C)OC(=O)NCP(=S)(Oc1ccccc1)O[C@H]1C[C@@H](O)[C@H](N2C=CN(C(=O)NC2=O)[C@H]1O)S</chem>
6069	 <chem>CC(C)OC(=O)NCP(=S)(Oc1ccc(C)cc1)O[C@H]1C[C@@H](O)[C@H](N2C=CN(C(=O)NC2=O)[C@H]1O)S</chem>
6070	 <chem>CC(C)OC(=O)NCP(=S)(Oc1ccc(OC)cc1)O[C@H]1C[C@@H](O)[C@H](N2C=CN(C(=O)NC2=O)[C@H]1O)S</chem>
6071	 <chem>CC(C)OC(=O)NCP(=S)(Oc1ccc2ncccc12)O[C@H]1C[C@@H](O)[C@H](N2C=CN(C(=O)NC2=O)[C@H]1O)S</chem>

Figure 6 (cont.): Compounds of Formula (CC) and alpha-thiotriphosphates thereof

#	Structure
6077	
6078	
6075	
6076	

Figure 7: Compounds of Formula (AA)

#	Structure
7002	
7003	

#	Structure
7000	
7001	

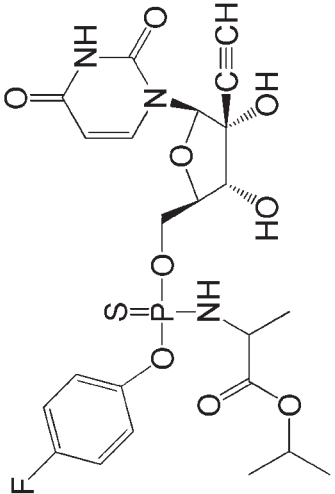
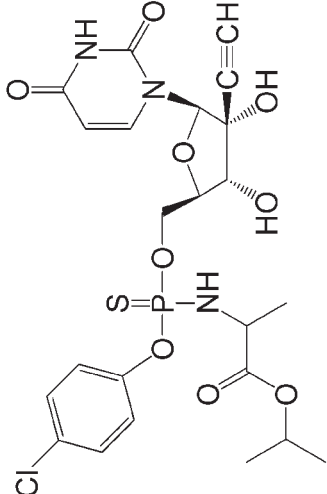
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Figure 7 (cont.): Compounds of Formula (AA)

#	Structure
7006	
7007	
7004	
7005	

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Figure 7 (cont.): Compounds of Formula (AA)

#	Structure
7010	
7011	

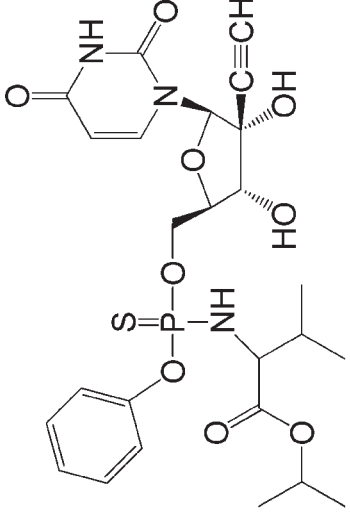
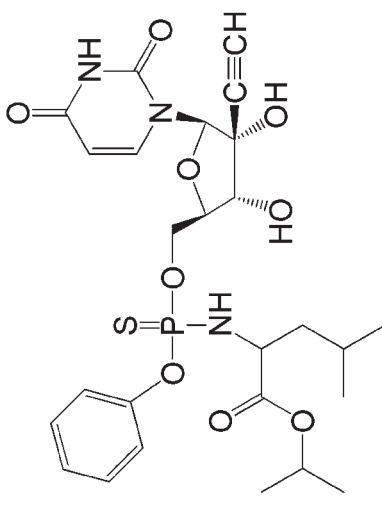
#	Structure
7008	
7009	

Figure 7 (cont.): Compounds of Formula (AA)

#	Structure
7014	
7015	

#	Structure
7012	
7013	

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Figure 7 (cont.): Compounds of Formula (AA)

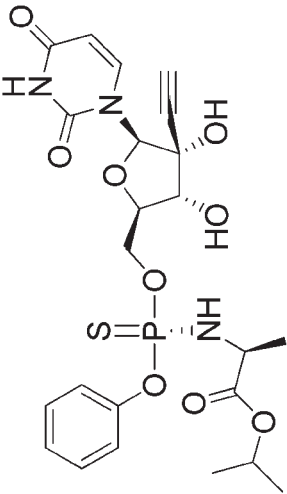
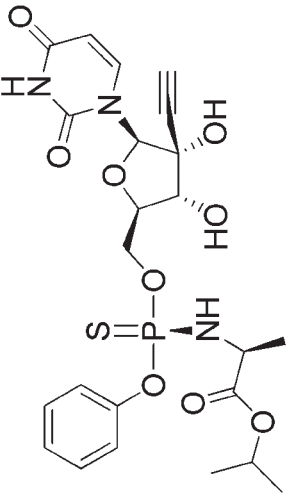
#	Structure
7018	
7019	

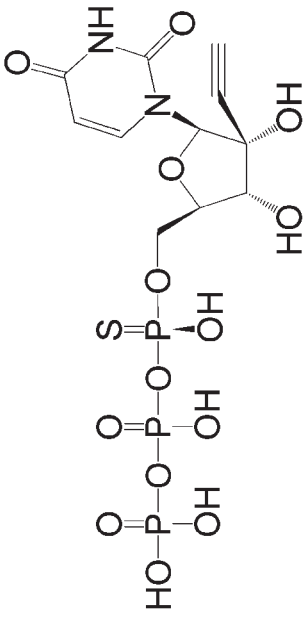
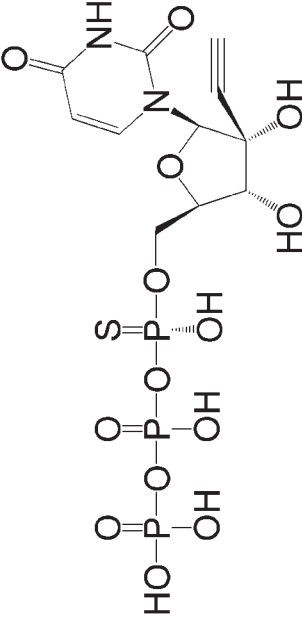
#	Structure
7016	
7017	

Figure 7 (cont.): Compounds of Formula (AA)

#	Structure
7020	
7021	
7022	
7023	

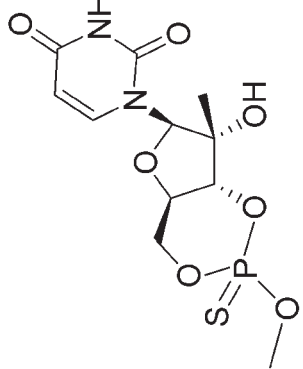
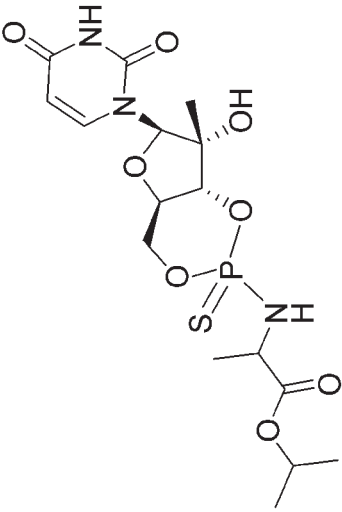
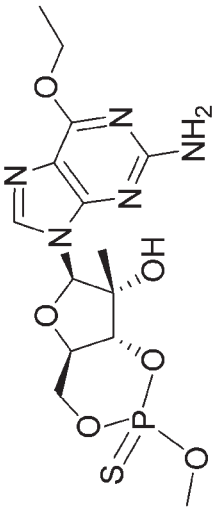
Figure 7 (cont.): Compounds of Formula (AA)

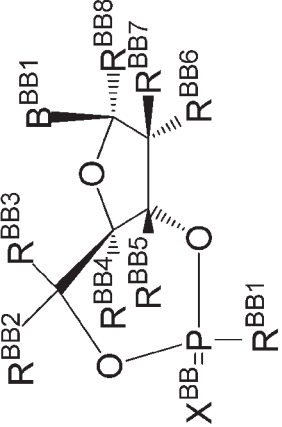
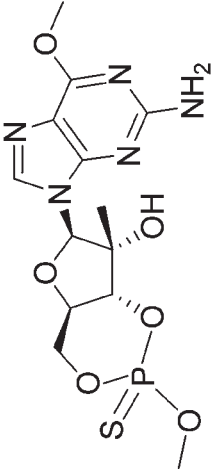
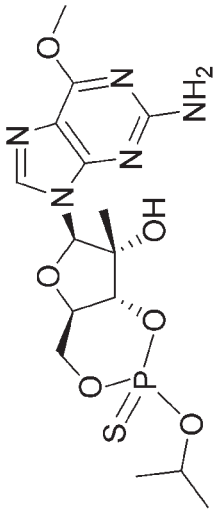
#	Structure
7026	
7027	

#	Structure
7024	
7025	

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Figure 8: Compounds of Formula (BB)

#	Structure
8003	
8004	
8005	

#	Structure
8000	
8001	
8002	

33/60

Figure 8 (cont.): Compounds of Formula (BB)

#	Structure
8009	
80010	
8011	

#	Structure
8006	
8007	
8008	

34/60

Figure 8 (cont.): Compounds of Formula (BB)

#	Structure
8015	
8016	

#	Structure
8012	
8013	
8014	

Figure 9: Compounds of Formula (I)

#	Structure	#	Structure
9000		9004	
9001		9005	
9002		9006	
9003			

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Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9009	
9010	
9007	
9008	

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Figure 9 (cont.): Compounds of Formula (I)

#	Structure	#	Structure
9014		9015	
9016		9011	
9012		9013	

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Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9019	
9020	
9021	
9017	
9018	

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Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9024	
9025	
9022	
9023	

40/60

Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9028	
9029	
9026	
9027	

Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9032	
9033	
9034	
9030	
9031	

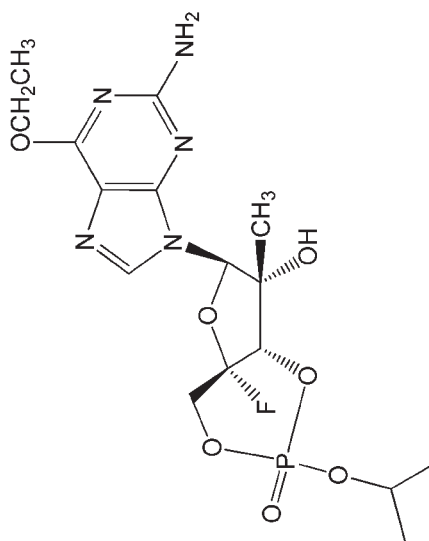
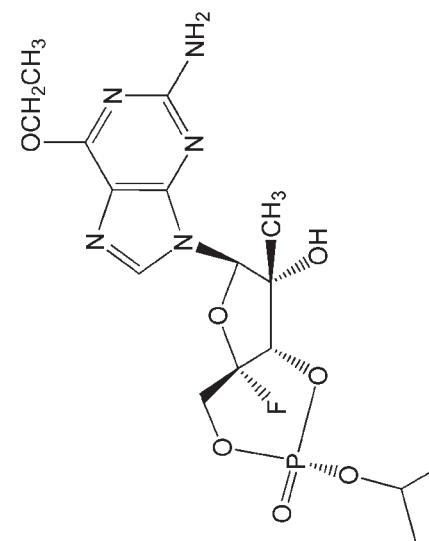
Figure 9 (cont.): Compounds of Formula (I)

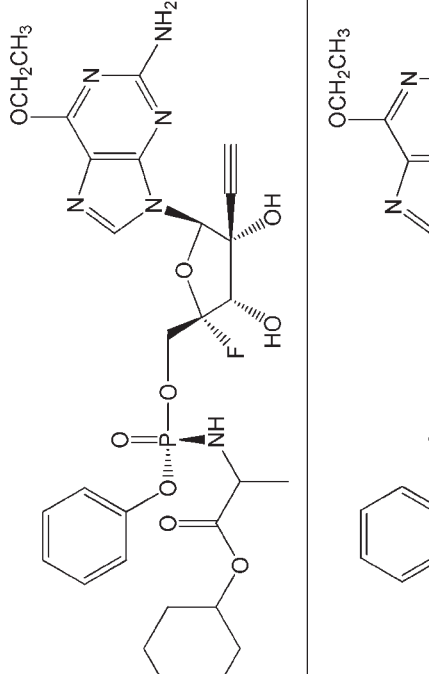
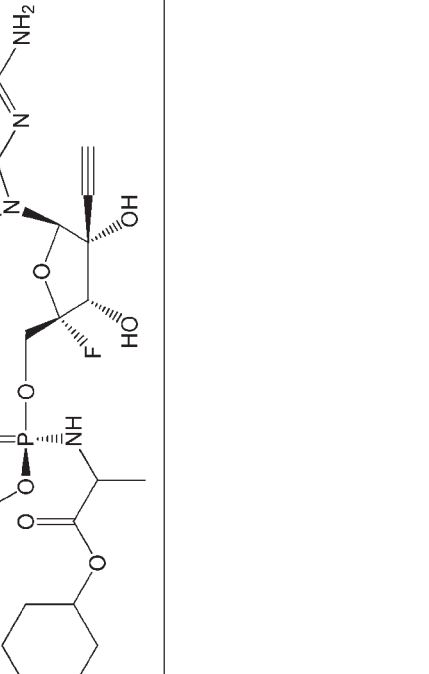
#	Structure
9038	
9039	
9040	

#	Structure
9035	
9036	
9037	

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Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9043	
9044	

#	Structure
9041	
9042	

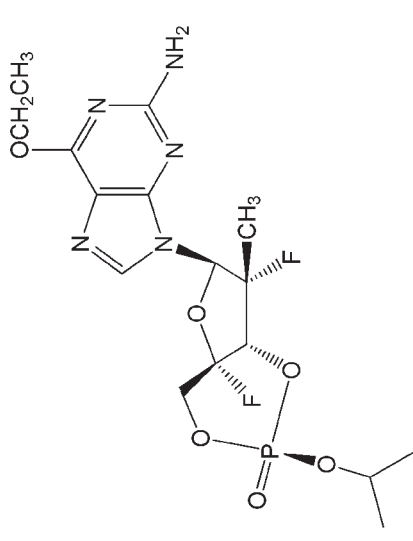
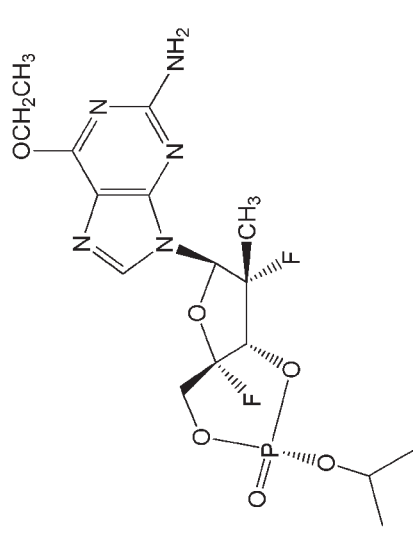
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Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9047	
9048	
9049	
9045	
9046	

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Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9052	
9053	

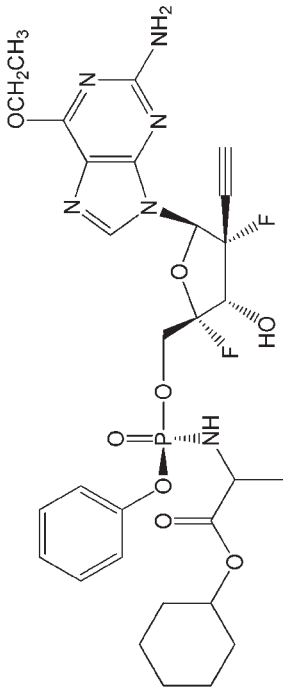
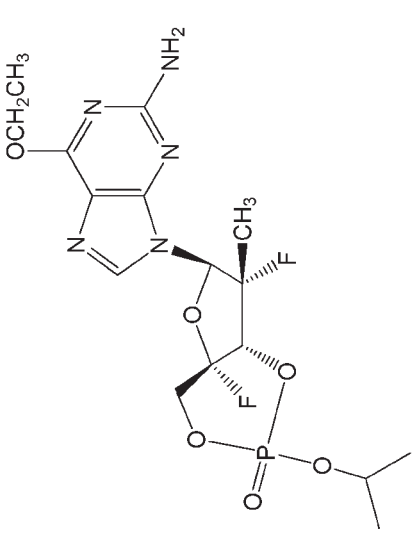
#	Structure
9050	
9051	

Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9057	
9058	

#	Structure
9054	
9055	
9056	

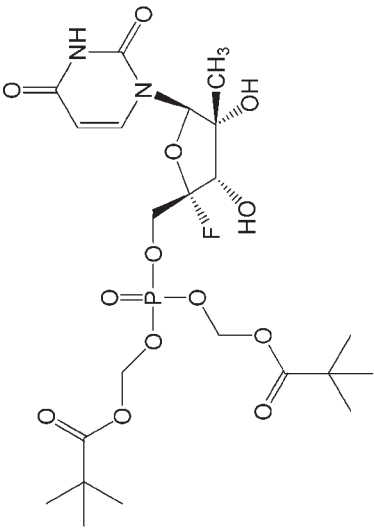
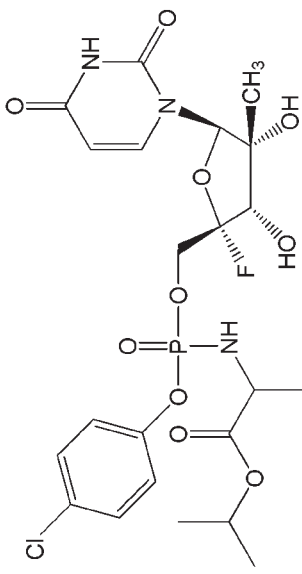
47/60

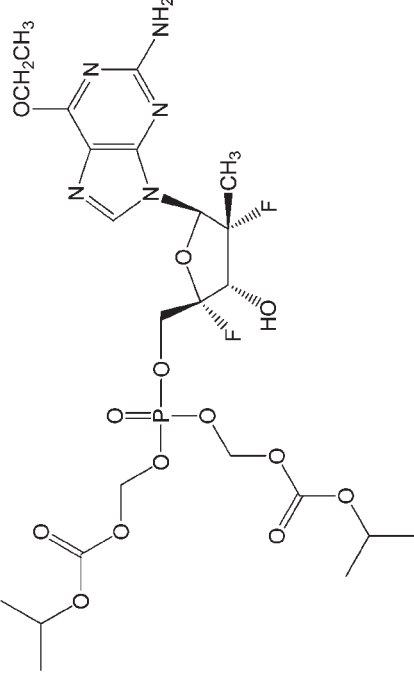
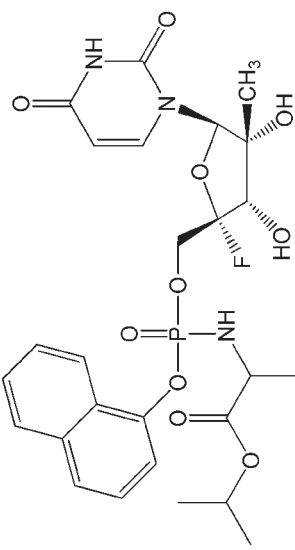
Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9061	
9062	
9059	
9060	

48/60

Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9065	
9066	

#	Structure
9063	
9064	

49/60

Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9069	
9070	

#	Structure
9067	
9068	

50/60

Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9073	
9074	
9075	
9071	
9072	

51/60

Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9079	
9080	
9081	
9076	
9077	
9078	

52/60

Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9085	
9086	

#	Structure
9082	
9083	
9084	

53/60

Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9089	
9090	
9087	
9088	

Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9093	
9094	
9095	

#	Structure
9091	
9092	

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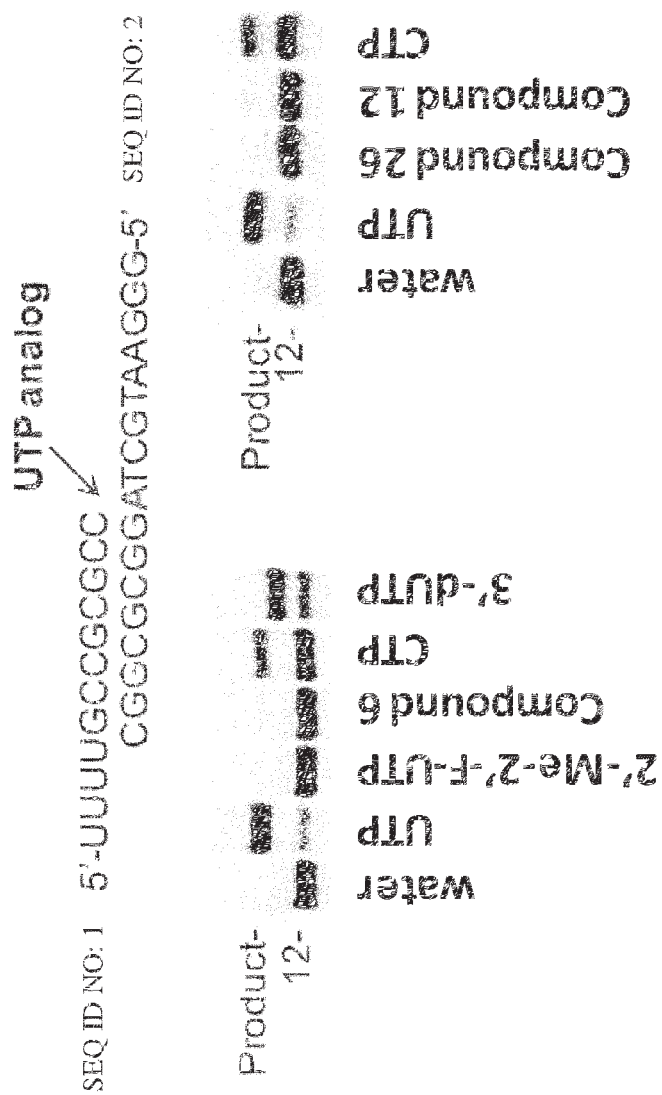
Figure 9 (cont.): Compounds of Formula (I)

#	Structure
9099	
9100	
9101	

#	Structure
9096	
9097	
9098	

Figure 9 (cont.): Compounds of Formula (I)

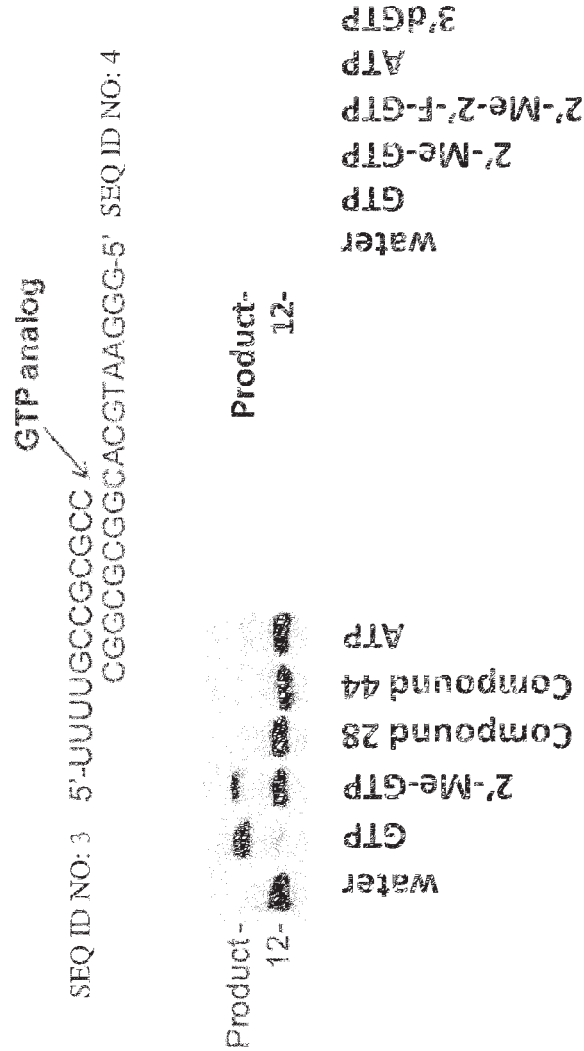
Figure 10



UTP = uridine-5'-triphosphate

CTP = cytidine-5'-triphosphate

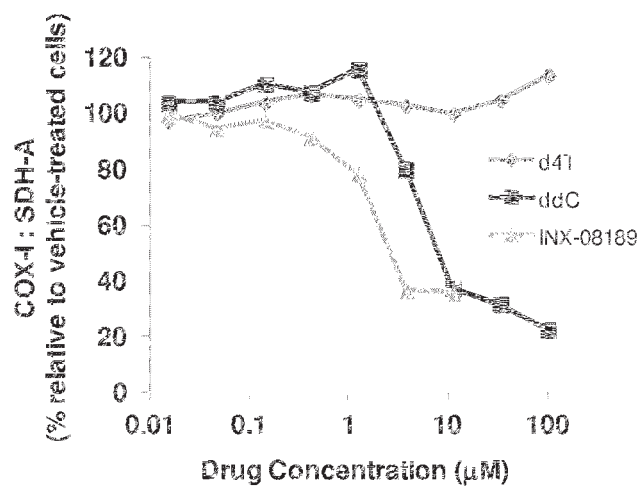
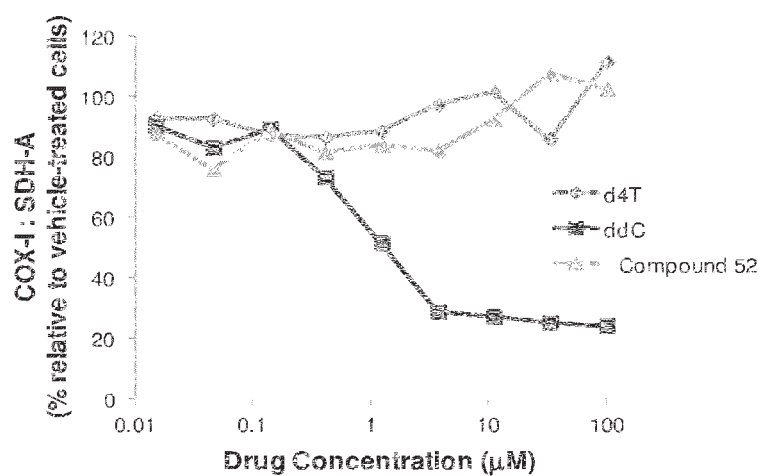
Figure 11



GTP = guanosine-5'-triphosphate

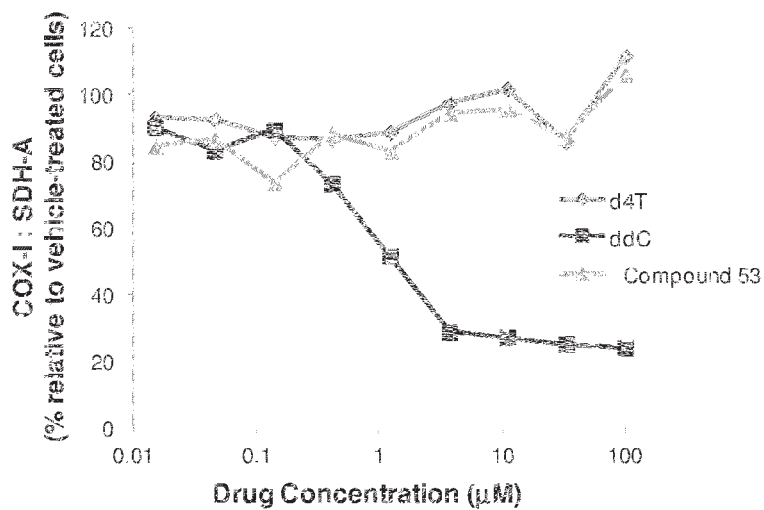
ATP = adenosine 5'-triphosphate

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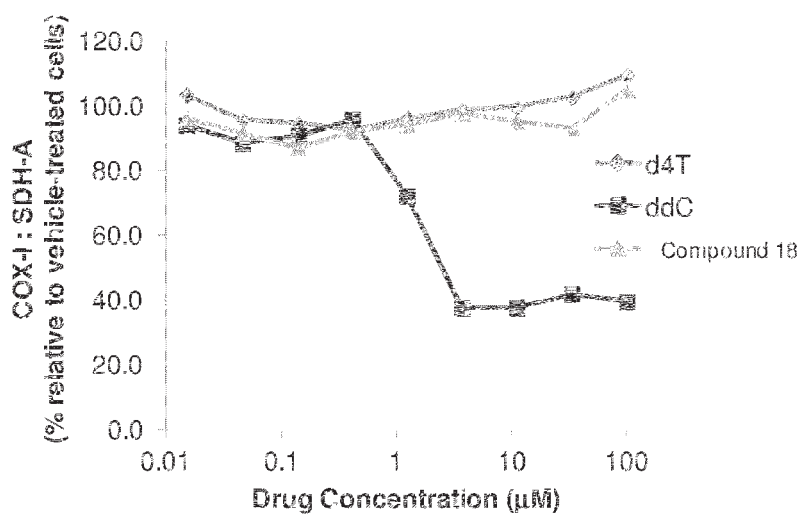
Figure 12**A****B**

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Figure 12 (cont.)



C



D

