

## Electronic Supplementary Material

### **$\alpha$ -Lipoic Acid Exerts Its Antiviral Effect against Viral Hemorrhagic Septicemia Virus (VHSV) by Promoting Upregulation of Antiviral Genes and Suppressing VHSV-Induced Oxidative Stress**

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Table S1. Fifty kinds of compound in Anti-Viral Compound Library (MCE)

Cat. No.	Product Name
HY-17425A	Valacyclovir (hydrochloride)
HY-10353	Raltegravir
HY-B0255	Adefovir dipivoxil
HY-17424	Penciclovir
HY-10468	NM107
HY-B0955	Oxethazaine
HY-17427	Emtricitabine
HY-15602	Ledipasvir
HY-13318	Oseltamivir (acid)
HY-14266	Dapivirine
HY-13782	Tenofovir (Disoproxil Fumarate)
HY-17016	Oseltamivir (phosphate)
HY-B1408	Salicylanilide
HY-15005	PSI-7977
HY-10572	Efavirenz
HY-10529	Betulinic acid
HY-B0249	Didanosine
HY-13231	CDK9-IN-1
HY-B0402A	Amantadine (hydrochloride)
HY-B0376	Mecarbinat
HY-B1744	Pyridoxal phosphate
HY-N0492	$\alpha$ -Lipoic Acid
HY-15592	Cabotegravir
HY-B0017	Telbivudine
HY-15232B	GS-7340 (hemifumarate)
HY-12530	Velpatasvir
HY-17413	Zidovudine
HY-B0420A	Moroxydine (hydrochloride)
HY-12993A	RSV604 (racemate)
HY-15232A	GS-7340 (fumarate)
HY-17411	Limonin
HY-13623A	Entecavir (monohydrate)
HY-B0766	Bicyclol
HY-75800	VX-222
HY-15602B	Ledipasvir (D-tartrate)
HY-108261	Tomeglovir
HY-15457	Triciribine
HY-13782A	Tenofovir (Disoproxil)
HY-W015346	Desaminotyrosine
HY-13578	Brivudine
HY-76648	NBD-556
HY-17430	Amprenavir
HY-102014	RN-18
HY-A0032A	Valganciclovir (hydrochloride)
HY-13765	6-Thioguanine
HY-16305	Maribavir
HY-13859	Clevudine
HY-10571A	Delavirdine (mesylate)
HY-17423	Abacavir
HY-104032	Ac-CoA Synthase Inhibitor1

Table S2. Primer sequences for real-time PCR.

Name <sup>a</sup>	Sequences 5' to 3'
VHSV-G-F	AACTGTCTCCAAAGAAGTGTGT
VHSV-G-R	GCCATCAAGGAGATAATGTG
FHM $\beta$ -actin-F	GCCGTGACCTGACTGACTACCT
FHM $\beta$ -actin-R	GGATACCGCAAGACTCCATACC
VHSV-N-F	TTGGAGAAGTCAACACTTCAC
VHSV-N-R	CGGTCAGGATGAAGGCGTAG
FHM-IRF3-F	GTTTAGAGGGACAATTAAGTGGACTA
FHM-IRF3-R	GAGGGTCCACTCTTTGAAAATG
FHM-IRF7-F	CCATTCATTGCTGACATCTACAGT
FHM-IRF7-R	GTTCGCTCTCAAAGTTGCTCCTC
FHM-Viperin-F	GCAAAGCGAGGGTTACGAC
FHM-Viperin-R	CTGCCATTACTAACGATGCTGAC
FHM-ISG15-F	TAATGCCACAGTCGGTGAA
FHM-ISG15-R	AGGTCCAGTGTTAGTGATGAGC
FHM-IFN1-F	AACGCAGCACAATGGAAC
FHM-IFN1-R	TGATGGATGGTGGTATCG
FHM-PKR-F	ACCTGAAGCCTCCAAACATA
FHM-PKR-R	GCATTCGCTCATCATTGTC
FHM-Nrf2-F	GCAAGCGGAAGATGGATAACA
FHM-Nrf2-R	TTAAGGCGAGGAACGAGGAA
FHM-SOD1-F	GGAGACCTTGTAATGTGAC
FHM-SOD1-R	CATGGTCCTCCCTATAATGG

<sup>a</sup>F: forward primer; R: reverse primer.