

In-Vitro Antiviral Screening Report

Task Order Number:	B12
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Organization:	CJSC Intelpharm
Submitter Name:	Lev Rasnetsov
Email:	domr_alex@mail.ru
Test Site:	SRI
Investigator:	Murray
Test Date (m/dd/yy) :	5/23/14
Report Date (Mmm-yy) :	May-14

Virus Screened:	Hepatitis C virus
Virus Strain:	H77, Genotype 1a
Cell Line:	Huh 7
Vehicle:	DMSO
Drug Conc. Range:	0.06-20 µM
Control Conc. Range:	0.006-2 IU/mL
Experiment Number:	HCV-044

Control Drug Name	Control Assay Order	Control Assay Name	EC50	EC90	CC50	SI50	SI90
IFNα-2b	Secondary	Quantitative polymerase chain reaction (Replicon/Toxicity)	0.04	0.57	>2.00	>50	

EC50 - compound concentration that reduces viral replication by 50%
 EC90 - compound concentration that reduces viral replication by 90%
 CC50 - compound concentration that reduces cell viability by 50%

SI50 - CC50/EC50
 SI90 - CC50/EC90

Summary:

Moderately active: ARB 13-000376

Screening Results

ARB No.	Date Received m/dd/yy	Trial No	Compound Name/ID	Drug Assay Order	Drug Assay Name	EC ₅₀	EC ₉₀	CC ₅₀	SI ₅₀	SI ₉₀
13-000376	4/10/14	1	Fullerene-(tris-aminocaproic acid) hydrate	Secondary	Quantitative polymerase chain reaction (Replicon/Toxicity)	0.90	15.00	>20.00	>22	

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Virus Screened:	Hepatitis C virus
Virus Strain:	JFH1, Genotype 2a
Cell Line:	Huh 7
Vehicle:	DMSO
Drug Conc. Range:	0.06-20 µM
Control Conc. Range:	0.006-2 IU/mL
Experiment Number:	HCV-044

Control Drug Name	Control Assay Order	Control Assay Name	EC50	EC90	CC50	SI50	SI90
IFNα-2b	Secondary	Quantitative polymerase chain reaction (Replicon/Toxicity)	0.06	1.14	>2.00	>33	

EC50 - compound concentration that reduces viral replication by 50%
 EC90 - compound concentration that reduces viral replication by 90%
 CC50 - compound concentration that reduces cell viability by 50%

SI50 - CC50/EC50
 SI90 - CC50/EC90

Summary:

Screening Results

ARB No.	Date Received m/dd/yy	Trial No	Compound Name/ID	Drug Assay Order	Drug Assay Name	EC ₅₀	EC ₉₀	CC ₅₀	SI ₅₀	SI ₉₀
13-000376	4/10/14	1	Fullerene-(tris-aminocaproic acid) hydrate	Secondary	Quantitative polymerase chain reaction (Replicon/Toxicity)	>20.00	>20.00	>20.00	1	