

READDI EXP0209:

Alphavirus AViDDUCL-0019

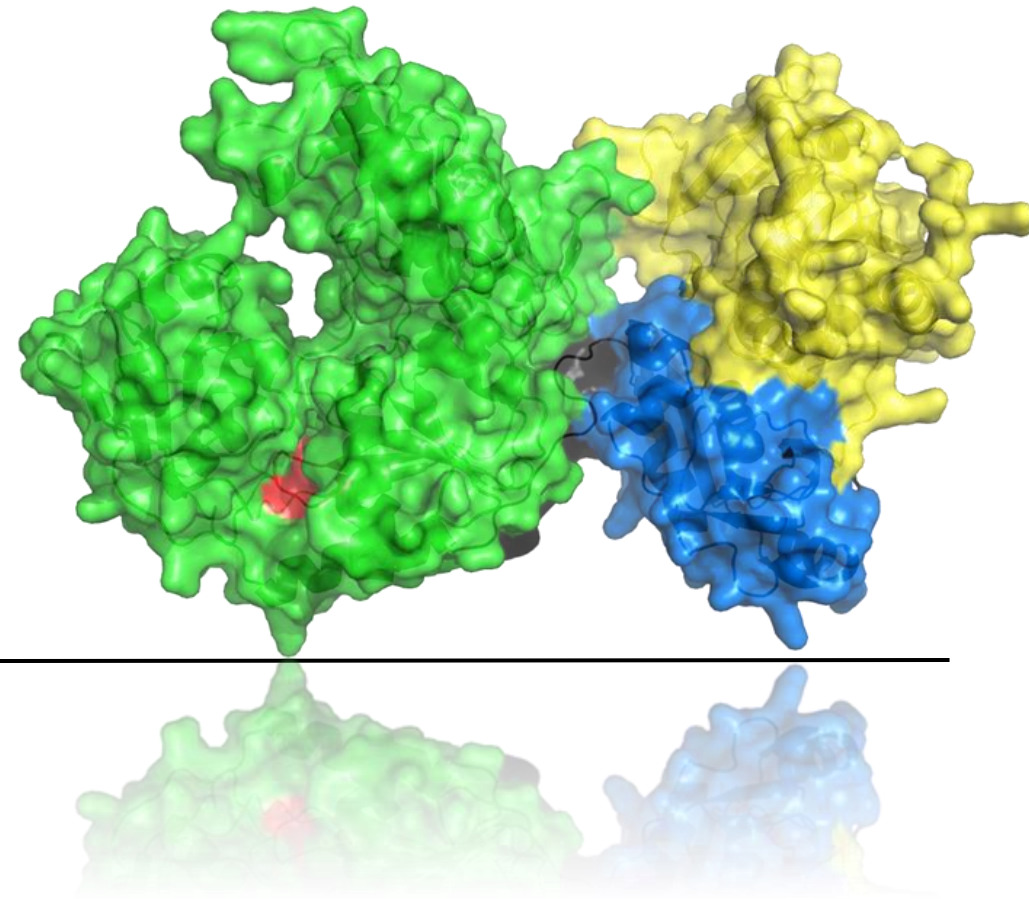
VEEV and CHIKV Antiviral Assay
7-hour CellTiter-Glo Cytotoxicity Assay

Isabella G. Law

September 17th, 2024

University of North Carolina – Chapel Hill

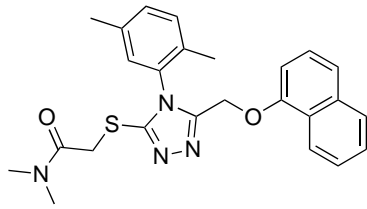
Department of Genetics – Heise Laboratory



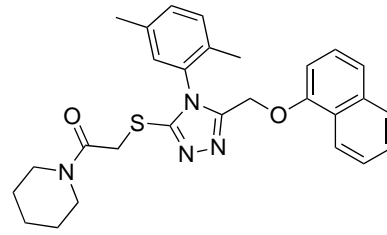
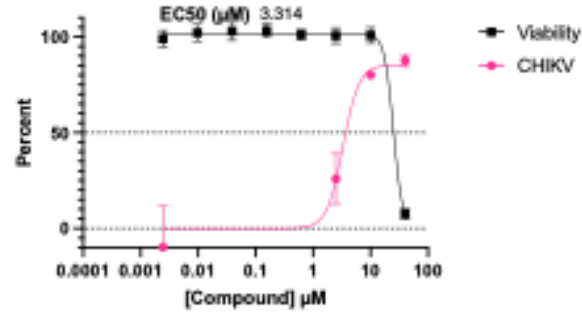
Summary Table

Investigator ID	Heise-Antiviral-DoseResponse-StartingConcentration(μM)	Heise-CHIKV181/25nLucMRC5sAntiviral-DoseResponse-%Inhibition at 40μM	Heise-CHIKV181/25nLucMRC5sAntiviral-DoseResponse-EC50(μM)	Heise-CHIKV181/25nLucMRC5sAntiviral-DoseResponse-HillSlope	Heise-VEEVTC83nLucMRC5sAntiviral-DoseResponse-%Inhibition at 40μM	Heise-VEEVTC83nLucMRC5sAntiviral-DoseResponse-EC50(μM)	Heise-VEEVTC83nLucMRC5sAntiviral-DoseResponse-HillSlope	Heise-CellTiterGlo2.0MRC5s-DoseResponse-%Viability at 40μM	Heise-CellTiterGlo2.0MRC5s-7hr-DoseResponse-CC50(μM)	Heise-CellTiterGlo2.0MRC5s-7hr-DoseResponse-HillSlope	Heise-CHIKVnsp2FRET-Protease-DoseResponse-Comment of IC50 (μM)
RA-0189047-01	40	87.66466333	3.314	3.11	96.50011667	6.088	1.536	7.544578333	>40	-5.443	
RA-0189048-01	40	84.2093	8.906	7.886	94.49929667	>40	1.424	95.14713	>40	-0.2793	Prism could not generate an EC50 value.
RA-0189049-01	40	86.00427333	4.796	1.812	96.33400667	>40	0.4127	2.338984333	17.92	-4.641	Prism could not generate an EC50 value.
RA-0189050-01	40	88.25226333	3.546	1.452	96.76836	3.798	0.8866	0.902360333	14.5	-4.568	
RA-0189051-01	40	83.89803	>40	0.3254	59.61093333	>40	0.1527	94.49396333	>40	-0.6548	
RA-0189052-01	40	82.36098333	>40	0.3656	45.24015667	>40	11.06	58.31732	>40	-2.085	
MPV	40	85.94371	0.6289	1.016	94.31096333	1.351	1.257	85.55418333	>40	-0.6013	

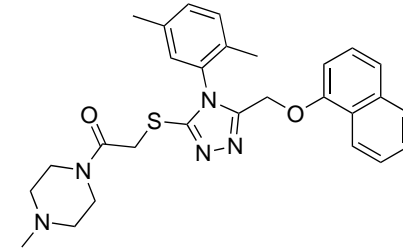
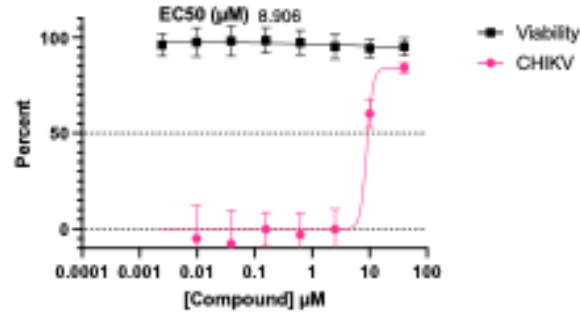
Exp0209_% Inhibition CHIKV-181/25 nLuc in MRC-5 H-terts, 6hpi_% Viability, 7hrs



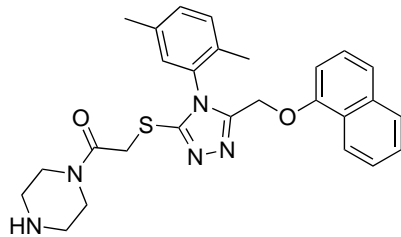
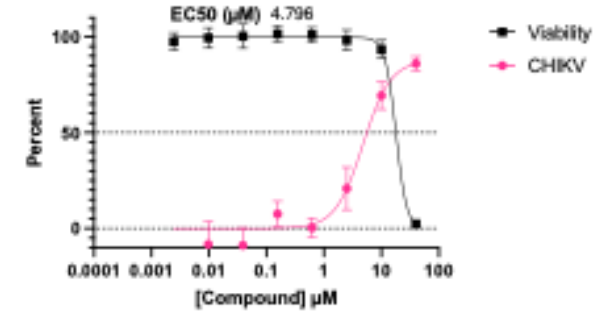
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RA-0189047-01



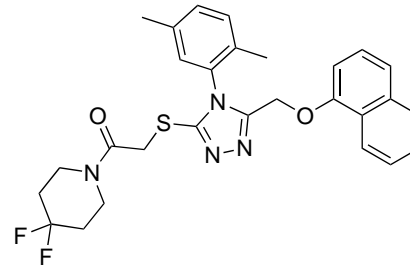
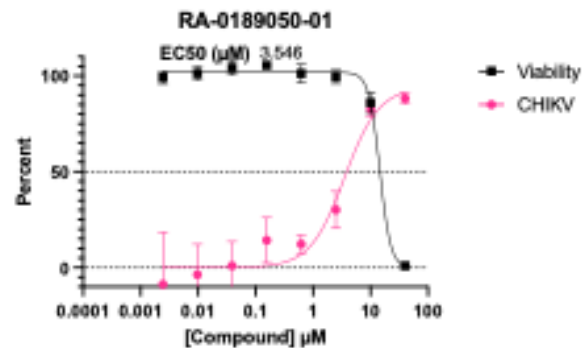
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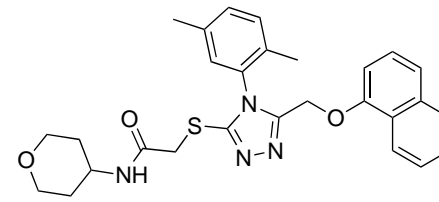
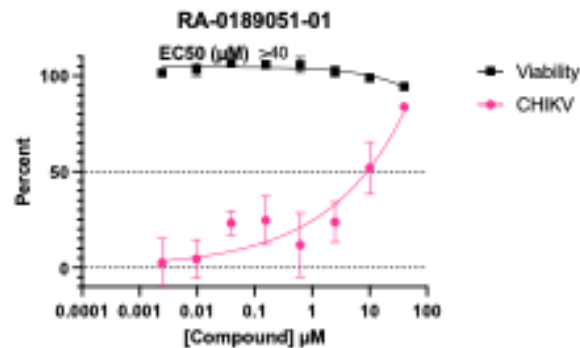
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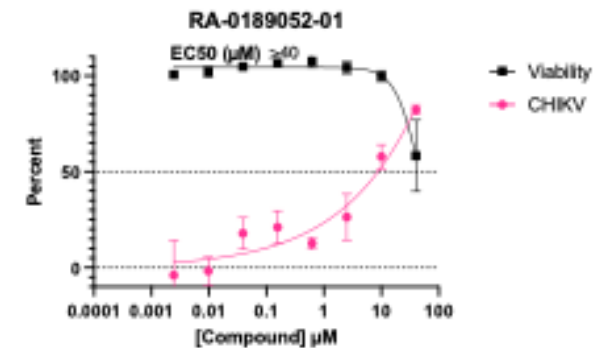
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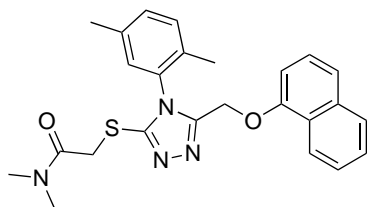
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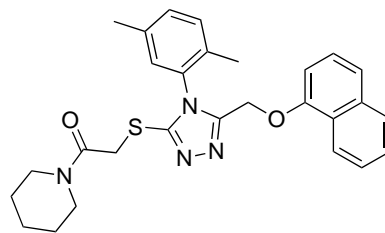
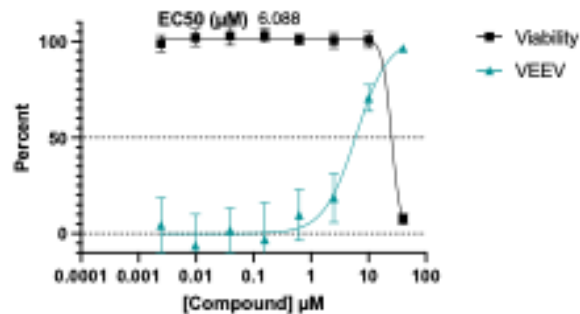
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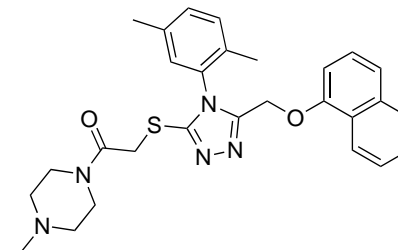
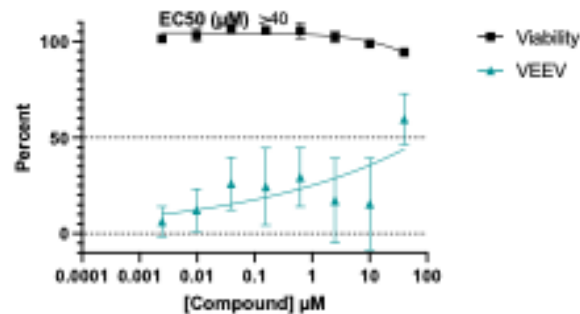
Exp0209_% Inhibition VEEV-TC-83 nLuc in MRC-5 H-terts, 6hpi_% Viability, 7hrs



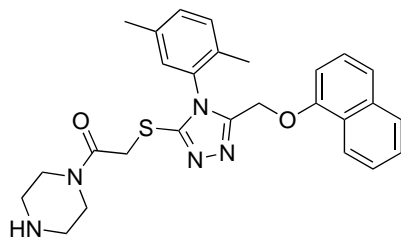
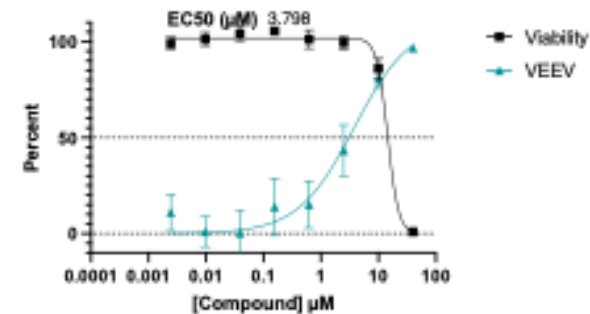
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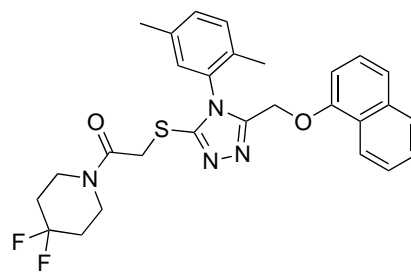
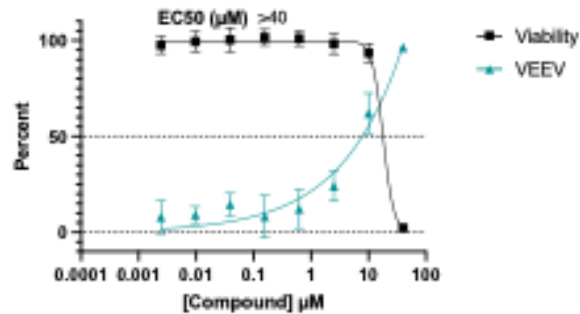
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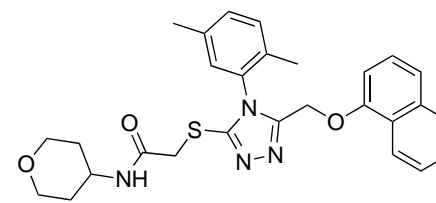
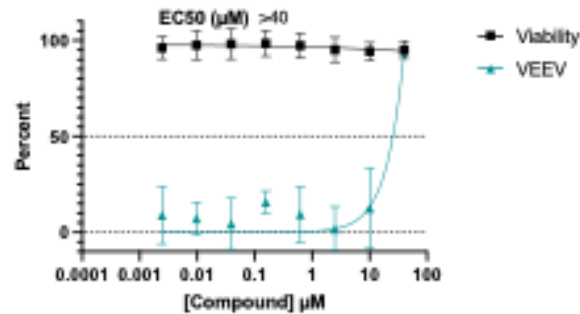
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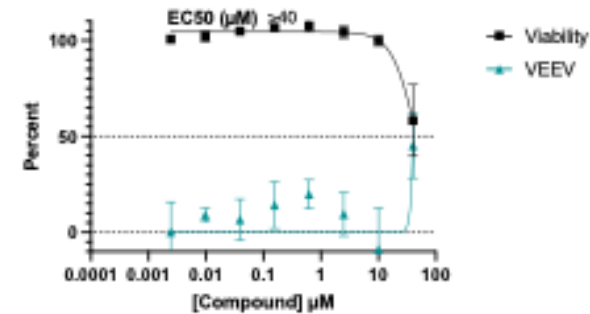
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