

READDI EXP0236:

Alphavirus

CHIKV & VEEV Antiviral Assay

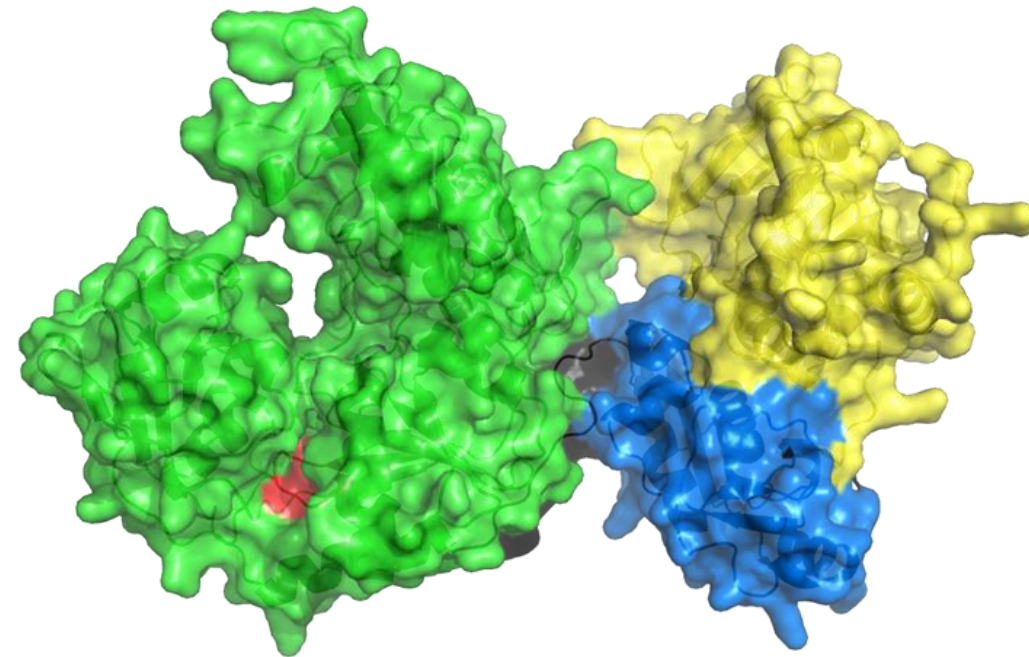
7-hour CellTiter-Glo Cytotoxicity Assay

Jane E. Burdick

December 6th, 2024

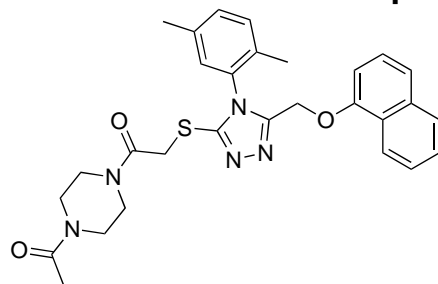
University of North Carolina – Chapel Hill

Department of Genetics – Heise Laboratory



Investigator ID	Starting concentration(μM)	Heise-CHIKV181/25nLuc MRC5-hTERTsAntiviral-DoseResponse-%Inhibition at 40μM	Heise-CHIKV181/25nLuc MRC5-hTERTsAntiviral-DoseResponse-EC50(μM)	Heise-CHIKV181/25nLuc MRC5-hTERTsAntiviral-DoseResponse-HillSlope	Heise-VEEVTC83nLuc MRC5-hTERTsAntiviral-DoseResponse-%Inhibition at 40μM	Heise-VEEVTC83nLuc MRC5-hTERTsAntiviral-DoseResponse-EC50(μM)	Heise-VEEVTC83nLuc MRC5-hTERTsAntiviral-DoseResponse-HillSlope	Heise-CellTiterGlo2.0 MRC5-hTERTs-DoseResponse-%Viability at 40μM	Heise-CellTiterGlo2.0 MRC5-hTERTs-7h-DoseResponse-CC50(μM)	Heise-CellTiterGlo2.0 MRC5-hTERTs-7h-DoseResponse-HillSlope	comments		
RA-0204953-01	40	95.30412	7.484	2.151	61.68258	>40	13.64	55.971325	>40	-2.043			
RA-0189047-02	40	94.83127	3.37	1.56	67.11942333	10.89	1.805	77.09260333	>40	-12.81			
RA-0189049-02	40	94.88369	2.581	2.029	83.42333333	7.955	1.63	7.198327	>40	-5.203			
RA-0204954-01	40	82.85793	6.469	1.407	80.54938	11.55	2.714	101.15415	>40	-0.01084			
RA-0204955-01	40	83.58022333	8.008	8.042	82.82253667	3.348	1.434	5.530816	18.95	-3.796			
RA-0204956-01	40	84.12225	8.935	2.262	81.61826	10.58	2.189	107.71307	>40	-9999	Prism could not determine CC50		
RA-0204957-01	40	86.07769667	4.266	0.9773	77.36786	>40	11.55	83.20176667	>40	-0.05608	Prism could not determine EC50		
RA-0204958-01	40	86.09485333	6.354	1.339	77.78367667	>40	13.13	101.3551667	>40	-0.01067			
RA-0204959-01	40	86.31878667	16.72	0.7672	75.38450667	>40	2.915	93.11714	>40	-2.146			
RA-0204960-01	40	91.65696	>40	0.5616	71.61932667	>40	13.27	93.67107667	>40	-0.009032			
RA-0204962-01	40	92.57698333	>40	0.6071	78.5336	10.15	1.95	98.53964	>40	-0.01474	Prism could not determine CHIKV EC50		
RA-0189074-01	40	53.35065667	>40	0.3121	-32.33167333	>40	-9999	99.48004	>40	-9999	Prism could not determine VEEV EC50 or CC50		
RA-0189073-01	40	86.82944667	1.381	1.263	80.50757	>40	-9999	95.26583333	>40	-0.009462			
RA-0189063-01	40	41.60482333	>40	0.8672	1.572506667	>40	10.43	93.26111333	>40	-1.967			
MPV	40	86.85361667	0.6539	1.391	79.55702	1.318	1.027	89.13814667	>40	-1.124			

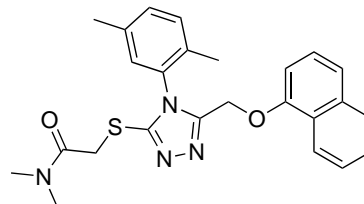
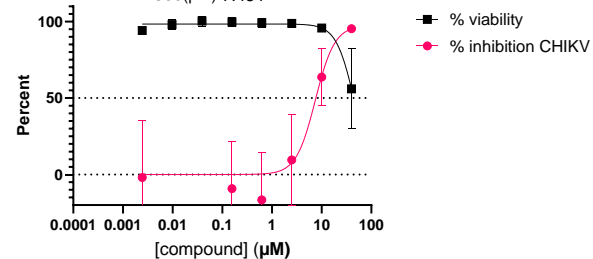
Exp0236_% Inhibition CHIKV-181/25 nLuc in MRC-5s, 6hpi_% Viability, 7hrs



RA-0204953-01

RA-0204953-01

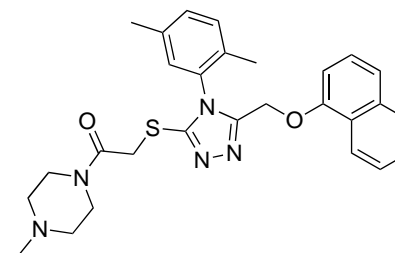
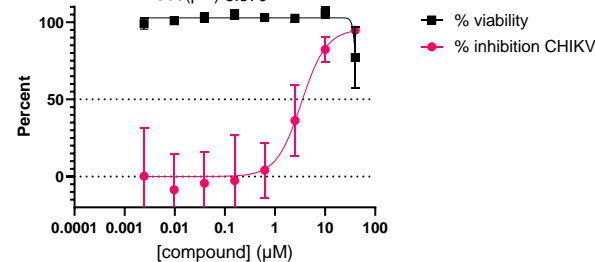
EC50(μM):7.484



RA-0189047-02

RA-0189047-02

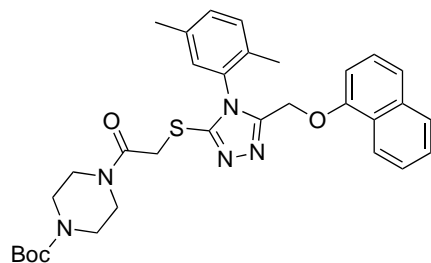
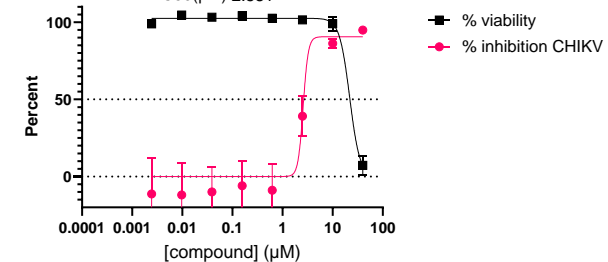
EC50(μM):3.370



RA-0189049-02

RA-0189049-02

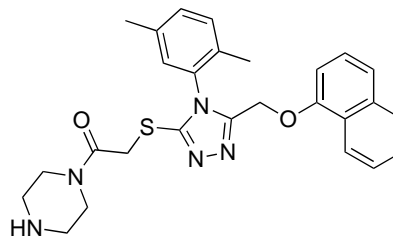
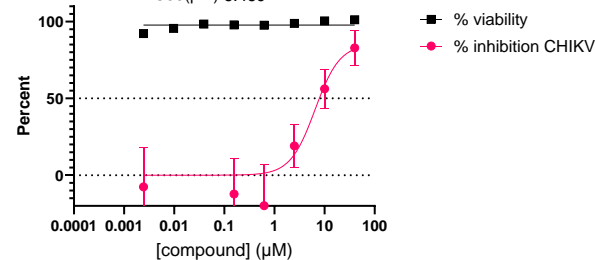
EC50(μM):2.581



RA-0204954-01

RA-0204954-01

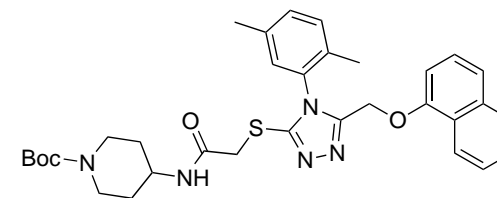
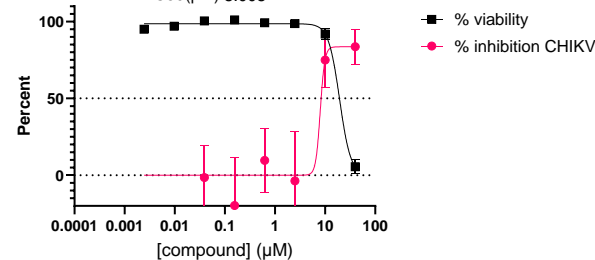
EC50(μM):6.469



RA-0204955-01

RA-0204955-01

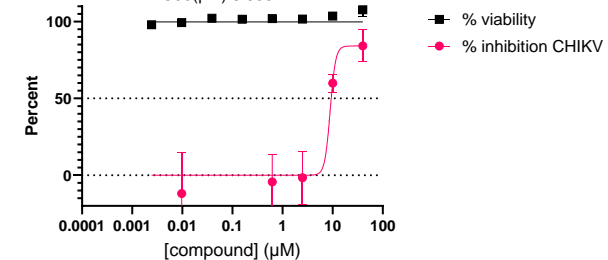
EC50(μM):8.008



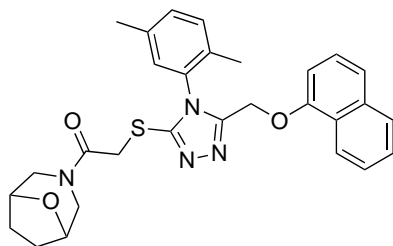
RA-0204956-01

RA-0204956-01

EC50(μM):8.935

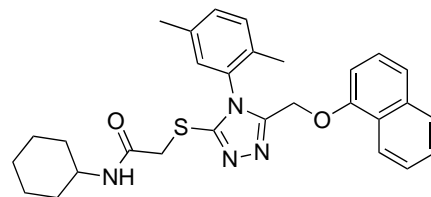
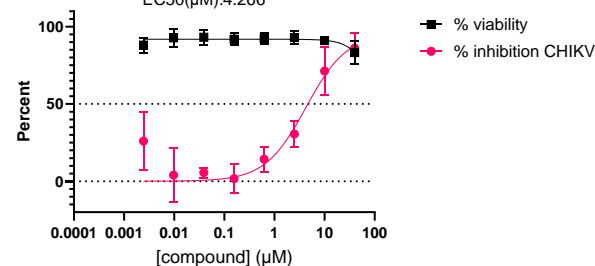


Exp0236_% Inhibition CHIKV-181/25 nLuc in MRC-5s, 6hpi_% Viability, 7hrs



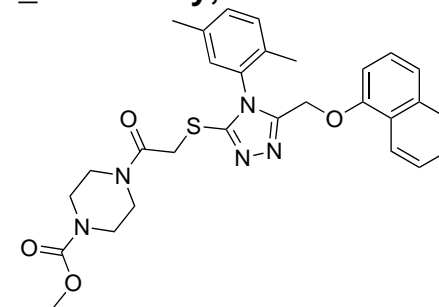
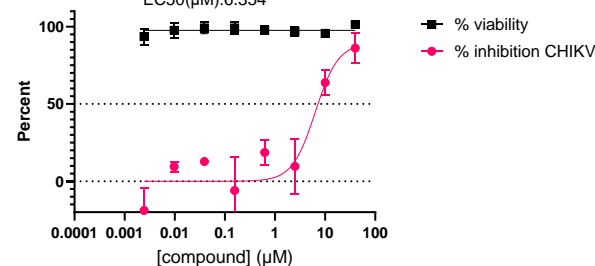
RA-0204957-01

RA-0204957-01
EC50(μM):4.266



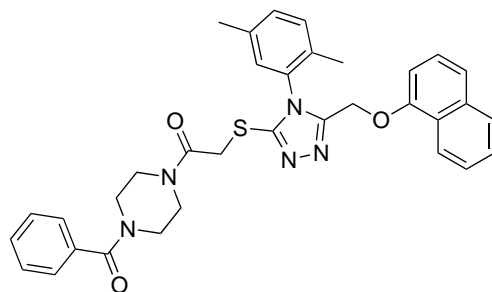
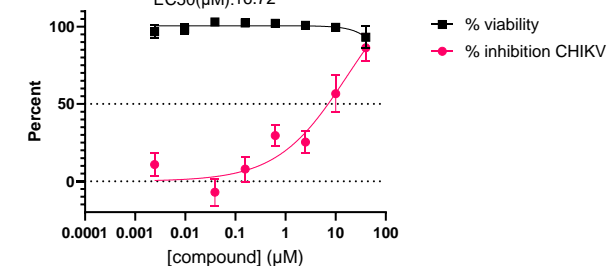
RA-0204958-01

RA-0204958-01
EC50(μM):6.354



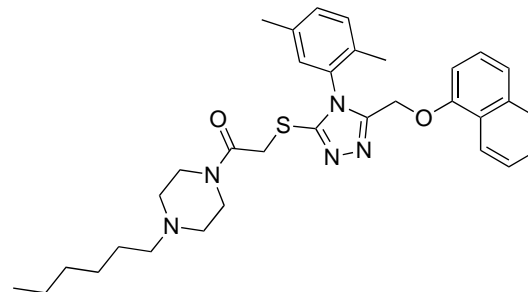
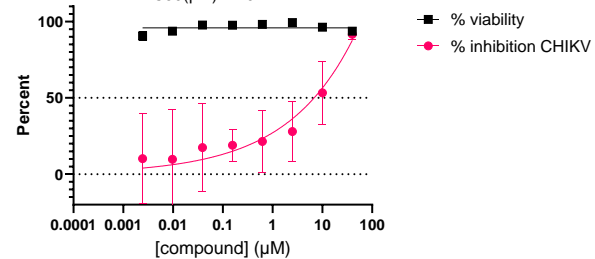
RA-0204959-01

RA-0204959-01
EC50(μM):16.72



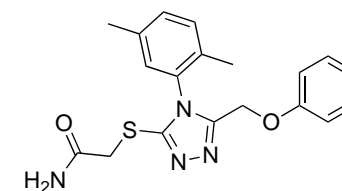
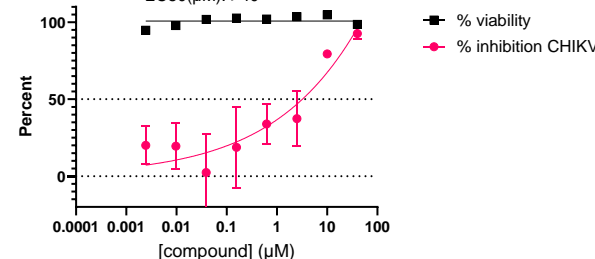
RA-0204960-01

RA-0204960-01
EC50(μM): >40



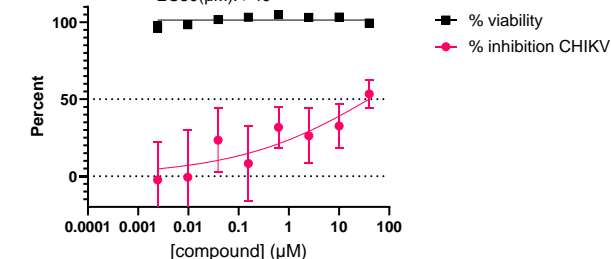
RA-0204962-01

RA-0204962-01
EC50(μM): >40

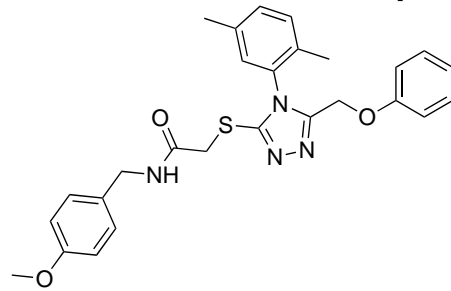


RA-0189074-01

RA-0189074-01
EC50(μM): >40



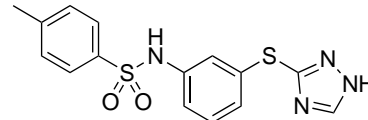
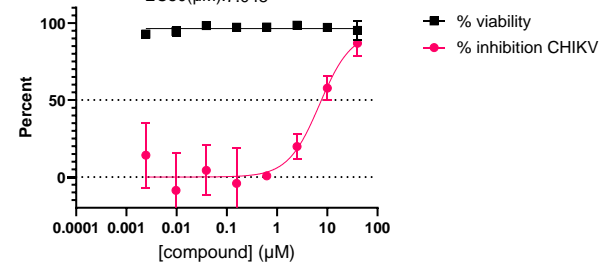
Exp0236_% Inhibition CHIKV-181/25 nLuc in MRC-5s, 6hpi_% Viability, 7hrs



RA-0189073-01

RA-0189073-01

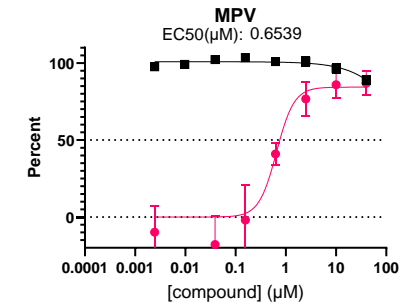
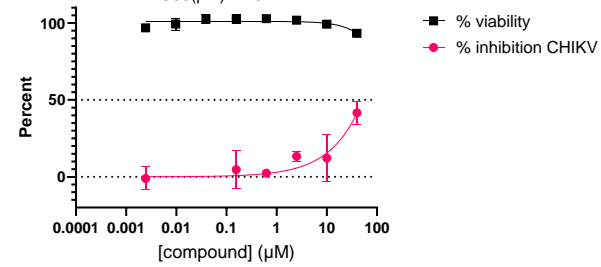
EC50(μM): 7.048



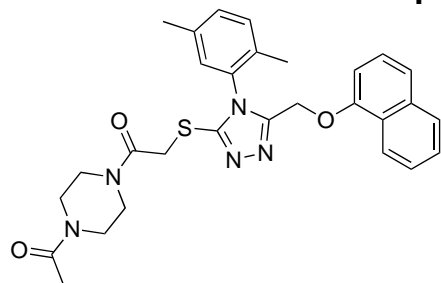
RA-0189063-01

RA-0189063-01

EC50(μM): >40



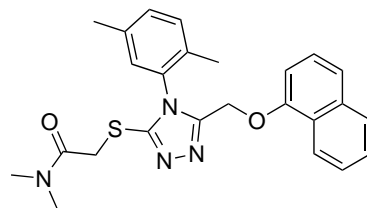
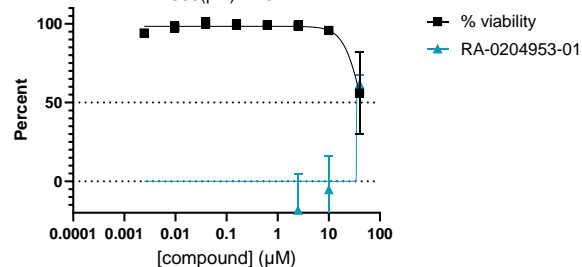
Exp0236_% Inhibition VEEV-TC83 nLuc in MRC-5s, 6hpi_% Viability, 7hrs



RA-0204953-01

RA-0204953-01

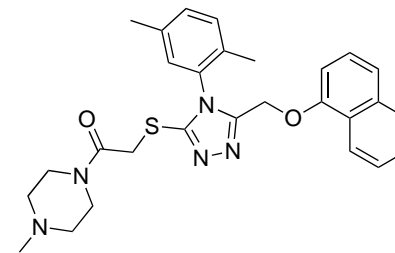
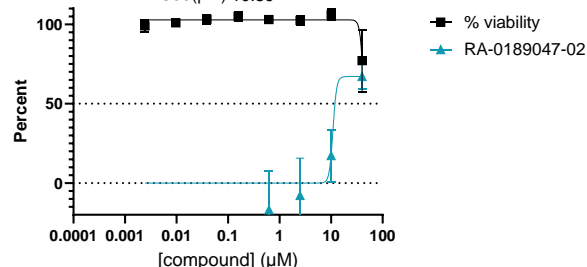
EC50(μM): >40



RA-0189047-02

RA-0189047-02

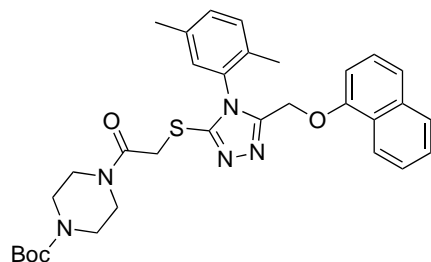
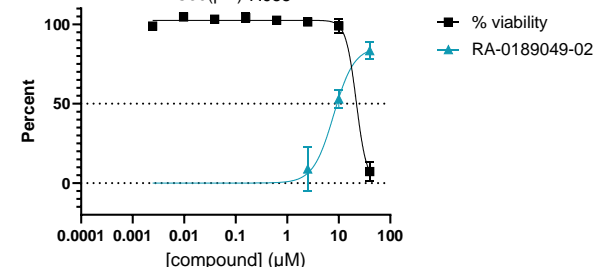
EC50(μM): 10.89



RA-0189049-02

RA-0189049-02

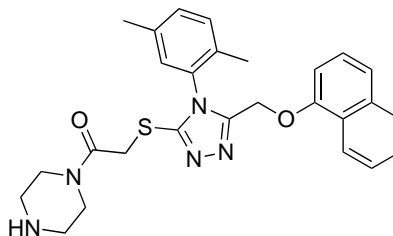
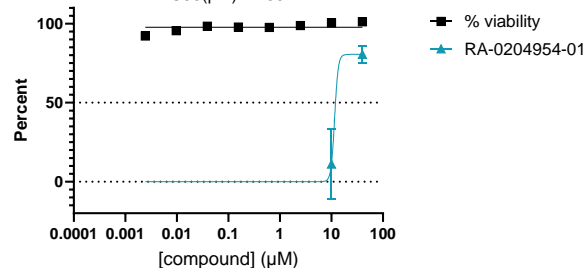
EC50(μM): 7.955



RA-0204954-01

RA-0204954-01

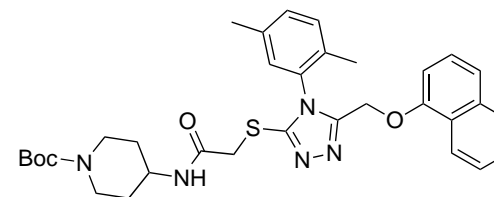
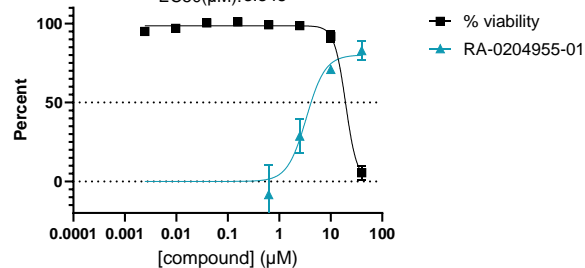
EC50(μM): 11.55



RA-0204955-01

RA-0204955-01

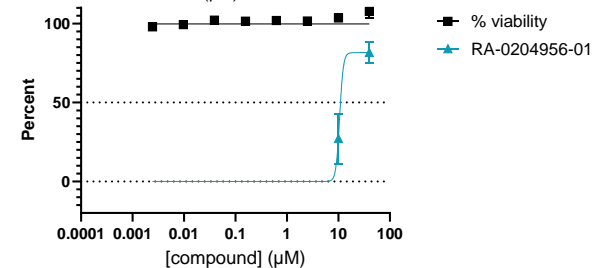
EC50(μM): 3.348



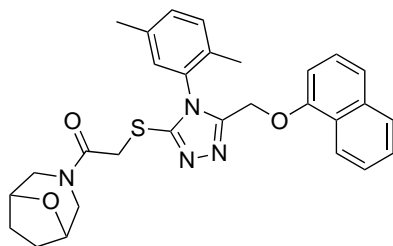
RA-0204956-01

RA-0204956-01

EC50(μM): 10.58



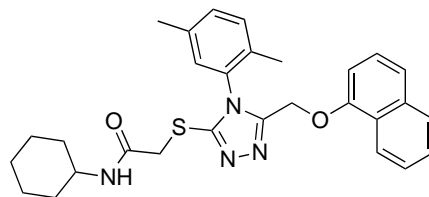
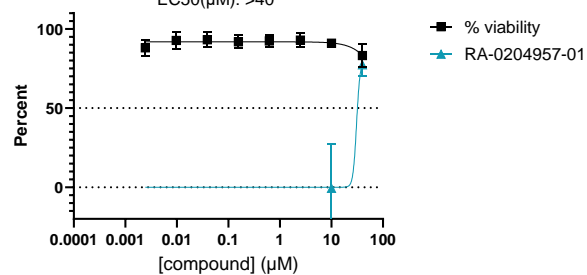
Exp0236_% Inhibition VEEV-TC83 nLuc in MRC-5s, 6hpi_% Viability, 7hrs



RA-0204957-01

RA-0204957-01

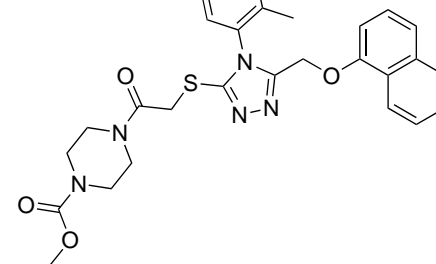
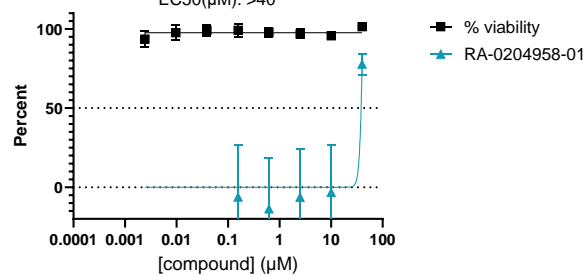
EC50(μM): >40



RA-0204958-01

RA-0204958-01

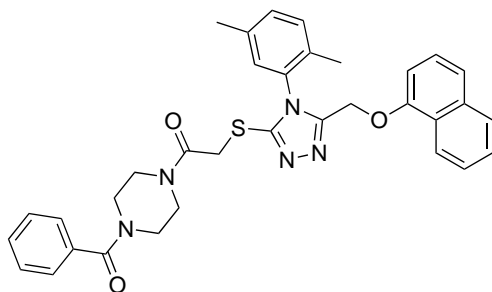
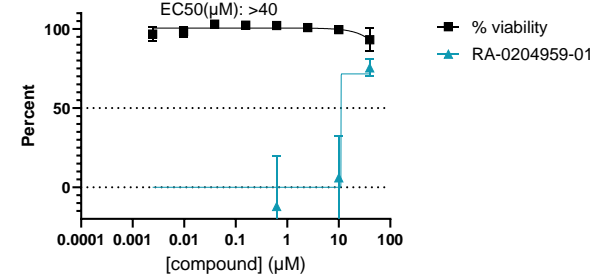
EC50(μM): >40



RA-0204959-01

RA-0204959-01

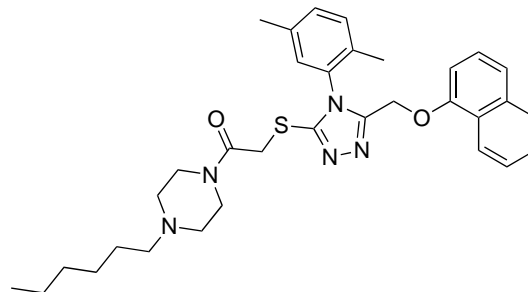
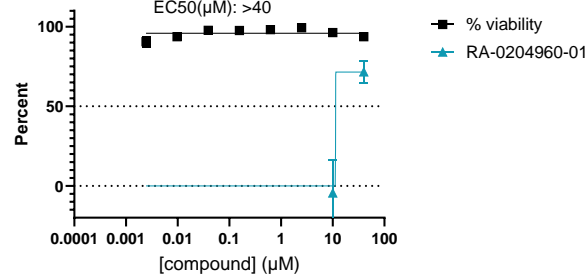
EC50(μM): >40



RA-0204960-01

RA-0204960-01

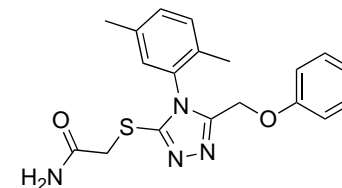
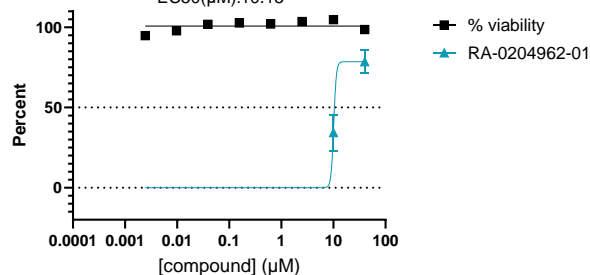
EC50(μM): >40



RA-0204962-01

RA-0204962-01

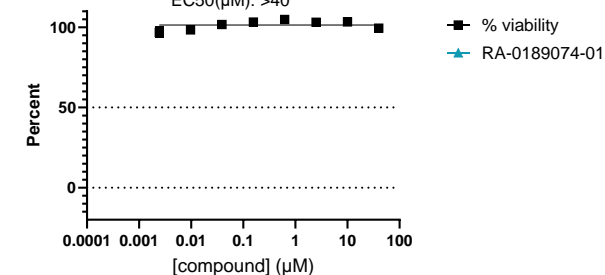
EC50(μM): 10.15



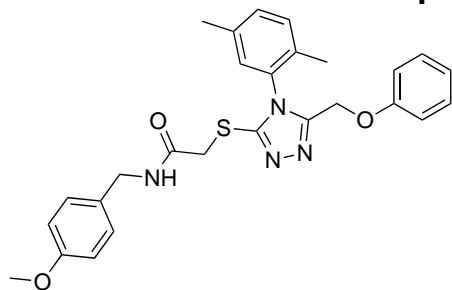
RA-0189074-01

RA-0189074-01

EC50(μM): >40



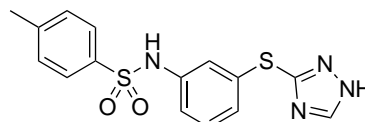
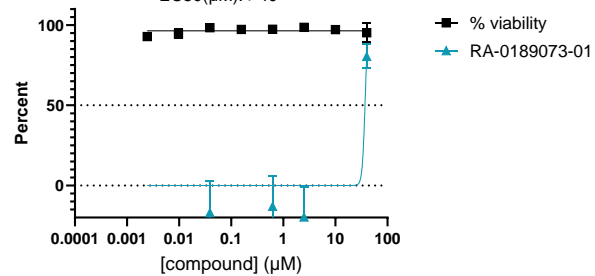
Exp0236_% Inhibition VEEV-TC83 nLuc in MRC-5s, 6hpi_% Viability, 7hrs



RA-0189073-01

RA-0189073-01

EC50(μ M): >40



RA-0189063-01

RA-0189063-01

EC50(μ M): >40

