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Inhibitors, Agonists, Screening Libraries

# Arenavirus

An arenavirus is a virus which is a member of the family Arenaviridae. These viruses infect rodents and occasionally humans. Arenaviruses are a diverse family of small, enveloped, single-stranded RNA viruses which are generally propagated through asymptomatic, chronic infection of specific rodent hosts. Several arenaviruses are significant human pathogens, including five distinct hemorrhagic fever viruses designated category A by the CDC and NIAID, which is indicative of the level of highest threat to civilian populations. Several arenaviruses, including Lassa virus (LASV), are causative agents of hemorrhagic fever, for which effective therapeutic options are lacking.

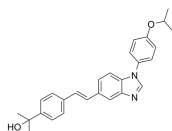
The convergence of sensitivity to diverse small-molecule inhibitors thus identifies a robust new target for arenavirus antiviral discovery within the viral entry phase.

## Arenavirus Inhibitors & Activators

### (E)-LHF-535

Cat. No.: HY-112762A

(E)-LHF-535 is the E-isomer of LHF-535. LHF-535 is an antiviral agent extracted from patent WO2013123215A2, Compound 38, has EC<sub>50</sub>s of <1 μM, <1 μM, <1 μM, and 1-10 μM for Lassa, Machupo, Junin, and VSVg virus, respectively.

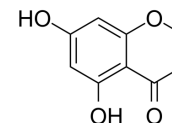


**Purity:** 99.71%  
**Clinical Data:** No Development Reported  
**Size:** 10 mM × 1 mL, 5 mg, 10 mg, 50 mg

### 5,7-Dihydroxychromone

Cat. No.: HY-N1970

5,7-Dihydroxychromone, the extract of *Cudrania tricuspidata*, activates Nrf2/ARE signal and exerts neuroprotective effects against 6-hydroxydopamine (6-OHDA)-induced oxidative stress and apoptosis.



**Purity:** 99.94%  
**Clinical Data:** No Development Reported  
**Size:** 5 mg, 10 mg

### GP(33-41)

Cat. No.: HY-P0323

GP(33-41), a 9-aa-long peptide, is the optimal sequence of the GP1 epitope of lymphocytic choriomeningitis virus, and can upregulate H-2D<sup>b</sup> molecules at the RMA-S (Db Kb) cell surface with a SC<sub>50</sub> of 344 nM.

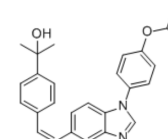
KAVYNFATC

**Purity:** >98%  
**Clinical Data:** No Development Reported  
**Size:** 1 mg, 5 mg, 10 mg

### LHF-535

Cat. No.: HY-112762

LHF-535 is an antiviral agent extracted from patent WO2013123215A2, Compound 38, has EC<sub>50</sub>s of <1 μM, <1 μM, <1 μM, and 1-10 μM for Lassa, Machupo, Junin, and VSVg virus, respectively.



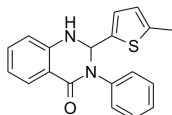
**Purity:** 98.82%  
**Clinical Data:** No Development Reported  
**Size:** 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

### Retro-2 cycl

(RN 1-001)

Cat. No.: HY-114698

Retro-2 cycl (RN 1-001) is a dihydroquinazolinone (DHQZ) inhibitor of retrograde trafficking. Retro-2 cycl (RN 1-001) inhibits JCPyV and HPV16 pseudovirus with IC<sub>50</sub>s of 54 μM and 160 μM, respectively. Antiviral agent.

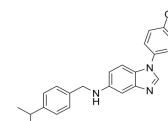


**Purity:** 98.11%  
**Clinical Data:** No Development Reported  
**Size:** 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

### ST-193

Cat. No.: HY-101441

ST-193 is a potent broad-spectrum arenavirus inhibitor; inhibits Guanarito, Junin, Lassa and Machupo virus with IC<sub>50</sub> values of 0.44, 0.62, 1.4 and 3.1 nM, respectively.

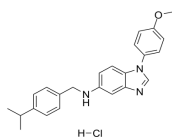


**Purity:** 99.86%  
**Clinical Data:** No Development Reported  
**Size:** 10 mM × 1 mL, 1 mg, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

### ST-193 hydrochloride

Cat. No.: HY-101441A

ST-193 hydrochloride is a potent broad-spectrum arenavirus inhibitor; inhibits Guanarito, Junin, Lassa and Machupo virus with IC<sub>50</sub> values of 0.44, 0.62, 1.4 and 3.1 nM, respectively.



**Purity:** 98.54%  
**Clinical Data:** No Development Reported  
**Size:** 10 mM × 1 mL, 1 mg, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg