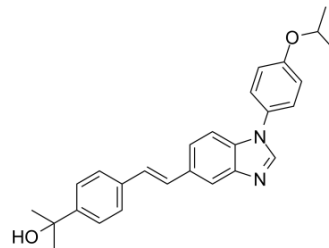


## (E)-LHF-535

<b>Cat. No.:</b>	HY-112762A		
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>28</sub> N <sub>2</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	412.52		
<b>Target:</b>	Arenavirus		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 60 mg/mL (145.45 mM; Need ultrasonic)				
	<b>Preparing Stock Solutions</b>	<b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>	2.4241 mL	12.1206 mL	24.2412 mL
		<b>5 mM</b>	0.4848 mL	2.4241 mL	4.8482 mL
		<b>10 mM</b>	0.2424 mL	1.2121 mL	2.4241 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.06 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	(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 <sup>[1]</sup> .
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### REFERENCES

[1]. Dongcheng Dai, et al. Antiviral drugs for treatment of arenavirus infection. WO2013123215A2.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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