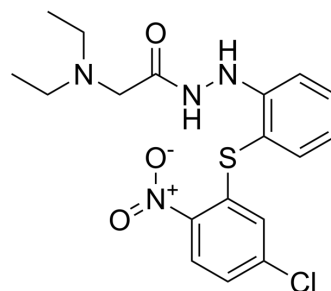


## EBOV-IN-5

Cat. No.:	HY-160880
CAS No.:	68207-15-8
Molecular Formula:	C <sub>18</sub> H <sub>21</sub> ClN <sub>4</sub> O <sub>3</sub> S
Molecular Weight:	408.9
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	EBOV-IN-5 (compound 14) is an antiviral agent that inhibits Ebola virus (EBOV) infection. EBOV-IN-5 inhibits the binding of the EBOV glycoprotein EBOV-GPcl to NPC1, an indispensable host receptor required for viral fusion/entry. <sup>[7][1]</sup>
<b>IC<sub>50</sub> &amp; Target</b>	Ebola virus <sup>[1]</sup>
<b>In Vitro</b>	EBOV-IN-5 (compound 14) has a CC <sub>50</sub> of 30 μM on HeLa cells and low cytotoxicity on Vero cells with a CC <sub>50</sub> >100 μM <sup>[1]</sup> . EBOV-IN-5 (50 μM) significantly interferes with EBOV - GPcl/NPC1 interaction, IC <sub>50</sub> against EBOV-GP-pseudotyped virus (pEBOV) is 4.69 μM <sup>[1]</sup> . EBOV-IN-5 IC <sub>50</sub> against African swine fever virus ASFV is 35.17 μM <sup>[1]</sup> .br / MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Lasala F, et al. Identification of potential inhibitors of protein-protein interaction useful to fight against Ebola and other highly pathogenic viruses. Antiviral Res. 2021 Feb;186:105011.

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

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