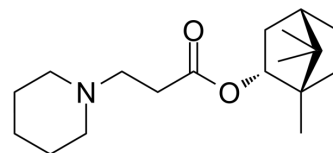


## As-358

Cat. No.:	HY-146883
CAS No.:	2222042-47-7
Molecular Formula:	C <sub>18</sub> H <sub>31</sub> NO <sub>2</sub>
Molecular Weight:	293.44
Target:	Filovirus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	As-358 has inhibitory effects against Ebola virus and Marburg virus, with IC <sub>50</sub> s of 47.5 μM and 3.7 μM <sup>[1]</sup> .								
IC <sub>50</sub> & Target	IC <sub>50</sub> : 47.5 μM (EBOV), 3.7 μM (MARV) <sup>[1]</sup>								
In Vitro	<p>As-358 (compound 3b) (0-500 μM; 10 days) exhibits inhibitory activities against EBOV and MARV<sup>[1]</sup>.</p> <p>As-358 (0-100 μM; 48 hours) can inhibit WT-EboV-GP and mutant D522A-EboV-GP, with IC<sub>50</sub>s of 1.7 and 2.2 μM, respectively<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Proliferation Assay</p> <table border="1"> <tr> <td>Cell Line:</td><td>Vero (infected with EBOV and MARV)<sup>[1]</sup></td></tr> <tr> <td>Concentration:</td><td>0-500 μM</td></tr> <tr> <td>Incubation Time:</td><td>10 days</td></tr> <tr> <td>Result:</td><td>Exhibited inhibitory activities against EBOV and MARV, with IC<sub>50</sub>s of 47.5 ± 8.2 μM and 3.7 ± 1.7 μM, SI values of 9 and 118, respectively.</td></tr> </table>	Cell Line:	Vero (infected with EBOV and MARV) <sup>[1]</sup>	Concentration:	0-500 μM	Incubation Time:	10 days	Result:	Exhibited inhibitory activities against EBOV and MARV, with IC <sub>50</sub> s of 47.5 ± 8.2 μM and 3.7 ± 1.7 μM, SI values of 9 and 118, respectively.
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### REFERENCES

[1]. Sokolova AS, Yarovaya OI, Zybina AV, et al. Monoterpenoid-based inhibitors of filoviruses targeting the glycoprotein-mediated entry process. Eur J Med Chem. 2020;207:112726.

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

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