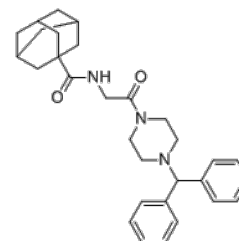


**Product Name** : LASV inhibitor 3.3  
**Cat. No.** : PC-35712  
**CAS No.** : 554438-52-7  
**Molecular Formula** : C<sub>30</sub>H<sub>37</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 471.645  
**Target** : Arenavirus  
**Solubility** : 10 mM in DMSO



## Biological Activity

LASV inhibitor 3.3 (LAMP1 inhibitor 3.3) is a specific inhibitor of **Lassa fever virus** (LASV, IC<sub>50</sub>=1.8 μM), inhibits LASV GP-mediated infection and cross-links to the LASV receptor, LAMP1, in cells.

LASV inhibitor 3.3 does not inhibit the GP-mediated infection of LCMV, LuJo virus (LUJV) or Junin virus (JUNV), Ebola virus (EBOV) or vesicular stomatitis virus (VSV).

LASV inhibitor 3.3 inhibits LAMP1 binding to LASV GP, which is cholesterol-dependent and sensitive to 3.3 inhibition.

LASV inhibitor 3.3 is a competitive inhibitor of cholesterol binding to LAMP1.

## References

Wang MK, et al. PLoS Pathog. 2018 Sep 28;14(9):e1007322.

PCT Int. Appl. (2013), WO 2013022550 A2 20130214.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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