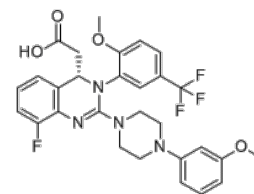


**Product Name** : Letermovir  
**Cat. No.** : PC-73324  
**CAS No.** : 917389-32-3  
**Molecular Formula** : C<sub>29</sub>H<sub>28</sub>F<sub>4</sub>N<sub>4</sub>O<sub>4</sub>  
**Molecular Weight** : 572.561  
**Target** : CMV  
**Solubility** : 10 mM in DMSO



### Biological Activity

Letermovir (AIC246) is a potent anti-cytomegalovirus (CMV) compound, exhibits very potent in vitro antiviral activity against different HCMV laboratory strains (EC<sub>50</sub>=3-5 nM), through a specific antiviral mechanism that involves the viral terminase. Letermovir (AIC246) interferes with HCMV DNA cleavage/packaging via a molecular mechanism that is distinct from that of other compound classes known to target the viral terminase.

Letermovir (AIC246) exhibits excellent in vitro inhibitory activity against HCMV laboratory strains and clinical isolates, retains activity against ganciclovir-resistant viruses, is well tolerated in different cell types.

Letermovir (AIC246) exerts a potent in vivo efficacy in a mouse xenograft model.

### References

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Kaul DR, et al. Am J Transplant. 2011 May;11(5):1079-84.  
Marschall M, et al. Antimicrob Agents Chemother. 2012 Feb;56(2):1135-7.  
Goldner T, et al. J Virol. 2011 Oct;85(20):10884-93.

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

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