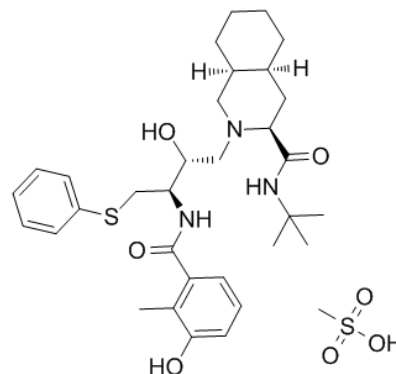


**Product Name** : Nelfinavir mesylate  
**Cat. No.** : PC-44304  
**CAS No.** : 159989-65-8  
**Molecular Formula** : C<sub>33</sub>H<sub>49</sub>N<sub>3</sub>O<sub>7</sub>S<sub>2</sub>  
**Molecular Weight** : 663.8881  
**Target** : HIV  
**Solubility** : 10 mM in DMSO



## Biological Activity

Nelfinavir (AG-1343) mesylate is a potent and orally bioavailable **HIV-1 protease** inhibitor with K<sub>i</sub> of 2 nM. Nelfinavir (AG-1343) exhibits an antiviral EC<sub>50</sub> of 30 nM in HIV-1 strain RF-infected CEM-SS cells. Nelfinavir (AG-1343) also inhibits the proliferation of NSCLC cells, as well as every cell line in the NCI60 cell line panel with mean GI<sub>50</sub> of 5.2 μM, induces endoplasmic reticulum stress, autophagy, and apoptosis in vitro and in vivo.

## References

- Zhang KE, et al. *Antimicrob Agents Chemother*. 2001 Apr;45(4):1086-93.  
Shetty BV, et al. *Antimicrob Agents Chemother*. 1996 Jan;40(1):110-4.  
Gills JJ, et al. *Clin Cancer Res*. 2007 Sep 1;13(17):5183-94.

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

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