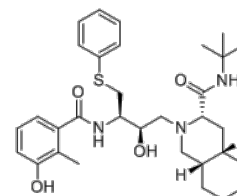


Product Name : Nelfinavir
Cat. No. : PC-44303
CAS No. : 159989-64-7
Molecular Formula : C₃₂H₄₅N₃O₄S
Molecular Weight : 567.784
Target : HIV
Solubility : 10 mM in DMSO



Biological Activity

Nelfinavir (AG-1343) is a potent and orally bioavailable **HIV-1 protease** inhibitor with K_i of 2 nM. Nelfinavir (AG-1343) exhibits an antiviral EC₅₀ 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 GI₅₀ 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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