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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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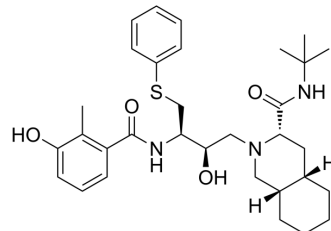
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Nelfinavir (Standard)

Cat. No.:	HY-15287R
CAS No.:	159989-64-7
Molecular Formula:	C ₃₂ H ₄₅ N ₃ O ₄ S
Molecular Weight:	567.78
Target:	HIV Protease; HIV
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Nelfinavir (Standard) is the analytical standard of Nelfinavir. This product is intended for research and analytical applications. Nelfinavir (AG-1341) is a potent and orally bioavailable HIV-1 protease inhibitor ($K_i=2$ nM) for HIV infection. Nelfinavir is a broad-spectrum, anticancer agent ^{[1][2][3]} .
IC ₅₀ & Target	Ki: 2 nM (HIV-1 protease) ^[2]

REFERENCES

- [1]. Mondal D, et al. Nelfinavir suppresses signaling and nitric oxide production by human aortic endothelial cells: protective effects of thiazolidinediones. *Ochsner J.* 2013 Spring;13(1):76-90.
- [2]. Kaldor SW, et al. Nelfinavir mesylate (AG1343): a potent, orally bioavailable inhibitor of HIV-1 protease. *J Med Chem.* 1997 Nov 21;40(24):3979-85.
- [3]. Gills JJ, et al. Nelfinavir, A lead HIV protease inhibitor, is a broad-spectrum, anticancer agent that induces endoplasmic reticulum stress, autophagy, and apoptosis in vitro and in vivo. *Clin Cancer Res.* 2007 Sep 1;13(17):5183-94.
- [4]. Bono C, et al. The human immunodeficiency virus-1 protease inhibitor nelfinavir impairs proteasome activity and inhibits the proliferation of multiple myeloma cells in vitro and in vivo. *Haematologica.* 2012;97(7):1101-1109.
- [5]. Qi Sun, et al. Bardoxolone and bardoxolone methyl, two Nrf2 activators in clinical trials, inhibit SARS-CoV-2 replication and its 3C-like protease. *Signal Transduct Target Ther.* 2021 May 29;6(1):212.

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

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