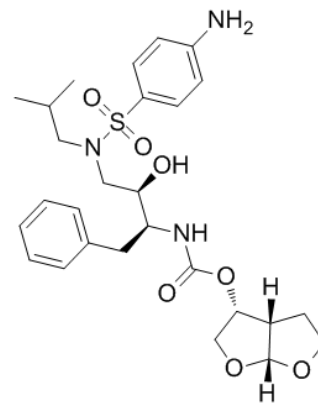


**Product Name** : Darunavir  
**Cat. No.** : PC-45164  
**CAS No.** : 206361-99-1  
**Molecular Formula** : C<sub>27</sub>H<sub>37</sub>N<sub>3</sub>O<sub>7</sub>S  
**Molecular Weight** : 547.6636  
**Target** : HIV  
**Solubility** : 10 mM in DMSO



### Biological Activity

A potent, selective HIV-1 protease inhibitor that is extremely potent against laboratory HIV-1 strains and primary clinical isolates with IC<sub>50</sub> of 3 nM, IC<sub>90</sub> of 9 nM; blocks the infectivity and replication of HIV-1(NL4-3) variants with IC<sub>50</sub> of 3-29 nM, also potent against multi-PI-resistant clinical HIV-1 variants isolated from patients; used to treat and prevent HIV/AIDS. HIV Infection Approved

### References

- Surleraux DL, et al. J Med Chem. 2005 Mar 24;48(6):1813-22.  
Koh Y, et al. Antimicrob Agents Chemother. 2003 Oct;47(10):3123-9.  
King NM, et al. J Virol. 2004 Nov;78(21):12012-21.

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

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