



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Lopinavir
<b>Catalog Number:</b>	9481
<b>Lot Number:</b>	10445-27
<b>Release Category:</b>	A
<b>Provided:</b>	20 mg
<b>Chemical Name:</b>	[1S-[1R*,(R*),3R*,4R*]]-N-[4[(2,6-dimethylphenoxy)acetyl]amino]-3-hydroxy-5-phenyl-1-(phenylmethyl)pentyl]tetrahydro-alpha-(1-methylethyl)-2-oxo-1(2H)-pyrimidineacetamide
<b>Empirical Formula:</b>	C <sub>37</sub> H <sub>48</sub> N <sub>4</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	628.81
<b>CAS Num:</b>	192725-17-0
<b>Purity:</b>	99.3% (by HPLC)
<b>Solubility:</b>	Soluble in DMSO, methanol, ethanol, chloroform, acetonitrile, and methylene chloride. Insoluble in water and hexane
<b>Mechanical Action:</b>	Lopinavir, is an inhibitor of the HIV-1 protease. It prevents cleavage of the <i>gag-pol</i> polyprotein, resulting in production of immature, non-infectious viral particles.
<b>Recommended Storage:</b>	-20°C

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

**Contributor:** NIAID, DAIDS

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Lopinavir from NIAID, DAIDS (cat# 9481)."

Recipient agrees that the reagent (Lopinavir) use is permitted only as a standard for in vitro and/or studies in animals for inhibition of HIV replication.

**Last Updated** November 25, 2019

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