



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Lopinavir
Catalog Number:	9481
Lot Number:	032566
Release Category:	A
Provided:	20 mg
Chemical Name:	[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
Empirical Formula:	C ₃₇ H ₄₈ N ₄ O ₅
Molecular Weight:	628.81
CAS Num:	192725-17-0
Purity:	99.3% (by HPLC)
Solubility:	Soluble in DMSO, methanol, ethanol, chloroform, acetonitrile, and methylene chloride. Insoluble in water and hexane
Mechanical Action:	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.
Recommended Storage:	-20°C

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: Division of AIDS, NIAID.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Lopinavir."

This compound is restricted for "research purposes only" and is limited to 40 mg per requester per year. Not available for release to commercial organizations outside of the USA.

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 September 25, 2020

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