

Centre For AIDS Reagents

Data Sheet

NAME:	Lopinavir
REPOSITORY REFERENCE:	ARP978
DESCRIPTION:	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.
PRESENTATION:	25 mg
SOLUBILITY:	Soluble in DMSO, methanol, ethanol, chloroform, acetonitrile, and methylene chloride. Insoluble in water and hexane
MELTING POINT:	103-107°C
CHEMICAL NAME:	1S-[1R*,(R*),3R*,4R*]]-N-[4[(2,6-dimethylphenoxy)acetyl]amino]-3-hydroxy-5-phenyl-1-(phenylmethyl)pentyl]tetrahydro- α -(1-methylethyl)-2-oxo-1(2H)-pyrimidineacetamide
MOLECULAR FORMULA:	C ₃₇ H ₄₈ N ₄ O ₅
MOLECULAR WEIGHT:	628.81
STORAGE:	Room temperature, cool, dark, dry.
SOURCE:	Sequoia Research Products.
ACKNOWLEDGEMENT:	Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website at http://www.nibsc.ac.uk/spotlight/aidsreagent/index.html in the “Acknowledgements” section. Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be Electronically or as a paper copy)