PRODUCT: **Lopinavir**

ALTERNATE NAME: 
\[(2S)\-N\-[(2S,4S,5S)-5\-[(2\-2,6-dimethylphenoxy)acetamido]\-4\- hydroxy-1,6-diphenylhexan-2-yl\]-3\-methyl-2\-[(2\-oxo-1,3-diazinan-1-yl)butanamide

CATALOG #: 
2241-50, 250

AMOUNT: 
50 mg, 250 mg

STRUCTURE:

MOLECULAR FORMULA: 
C_{37}H_{48}N_{4}O_{5}

MOLECULAR WEIGHT: 
628.81

CAS NUMBER: 
192725-17-0

APPEARANCE: 
White to off-white solid

SOLUBILITY: 
DMSO

PURITY: 
≥98% by HPLC

STORAGE: 
At -20 °C. Protect from light and moisture

DESCRIPTION: 
A protease inhibitor with high specificity for HIV-1 protease. Inhibition of HIV-1 protease (responsible for protein cleavage), results in selectively inhibiting the cleavage of HIV gag and gag-pol polyproteins, thereby preventing viral maturation. It has been reported to reduce morbidity and mortality in a retrospective cohort study of SARS-CoV-2 infection and to reduce lung pathology in non-human primates. It was not associated with reduced viral replication or improved clinical outcome in an open-label randomized clinical trial in patients with COVID-19.

HANDLING: 
Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- Acyclovir (Cat. No. 2200-50, 250)
- Ganciclovir (Cat. No. 1918-50, 250, 1000)
- Ribavirin (Cat. No. 2199-10, 50)
- Tenofovir disoproxil fumarate (Cat. No. 1920-5, 25)
- Valacyclovir hydrochloride hydrate (Cat. No. 2201-10, 50)

USAGE: FOR RESEARCH CH USE ONLY! Not to be used in humans