



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Ritonavir
Catalog Number:	4622
Lot Number:	NG25-33-3
Release Category:	A
Provided:	20 mg
Chemical Name:	10-Hydroxy-2-methyl-5-(1-methylethyl)-1-[2-(1-methylethyl)-4-thiazolyl]-3,6-dioxo-8,11-bis(phenylmethyl)-2,4,7,12-tetraaztridecan-13-oic acid, 5-thiazolylmethyl ester, [5S-(5R*,8R*,10R*,11R*)]
Empirical Formula:	C ₃₇ H ₄₈ N ₆ O ₅ S ₂
Molecular Weight:	720.96
CAS Num:	155213-67-5
Purity:	98.8 +/- 0.4 wt%
Solubility:	DMSO; Chloroform; slightly soluble in toluene; insoluble in water.
Mechanical Action:	Ritonavir is a peptidomimetic inhibitor of both HIV-1 and HIV-2 proteases. Inhibition of HIV proteases renders the enzyme incapable of processing the gag-pol polypeptide precursor which leads to production of non-infectious immature HIV particles.
Recommended Storage:	Room temperature. Once resuspended, working aliquots can be stored at -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: NIAID, DAIDS

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Ritonavir from NIAID, DAIDS (cat# 4622)."

Recipient agrees that the reagent (Ritonavir) 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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