



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Ritonavir
Catalog Number:	4622
Lot Number:	110018
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
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.
Contributor:	Division of AIDS, NIAID.

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.

NOTE:

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

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 (Ritonavir) use is permitted only as a standard for in vitro and/or studies in animals for inhibition of HIV replication.

Last Updated

July 24, 2018

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