



## NIH AIDS Reagent Program

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### DATA SHEET

|                             |   |
|-----------------------------|---|
| <b>Reagent:</b>             | Ritonavir   |
| <b>Catalog Number:</b>      | 4622  |
| <b>Lot Number:</b>          | NG25-33-3   |
| <b>Release Category:</b>    | A   |
| <b>Provided:</b>            | 20 mg   |
| <b>Chemical Name:</b>       | 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*)]  |
| <b>Empirical Formula:</b>   | C <sub>37</sub> H <sub>48</sub> N <sub>6</sub> O <sub>5</sub> S <sub>2</sub>  |
| <b>Molecular Weight:</b>    | 720.96  |
| <b>CAS Num:</b>             | 155213-67-5   |
| <b>Purity:</b>              | 98.8 +/- 0.4 wt%  |
| <b>Solubility:</b>          | DMSO; Chloroform; slightly soluble in toluene; insoluble in water.  |
| <b>Mechanical Action:</b>   | 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. |
| <b>Recommended Storage:</b> | Room temperature. Once resuspended, working aliquots can be stored at -20°C.  |

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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)."

**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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