



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Raltegravir (ISENRESS/MK-0518)
<b>Catalog Number:</b>	11680
<b>Lot Number:</b>	080169
<b>Release Category:</b>	E
<b>Provided:</b>	2 mg
<b>Chemical Name:</b>	N-[(4-Fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-[1-methyl-1-[[[(5-methyl-1,3,4-oxadiazol-2-yl)carbonyl]amino]ethyl]-6-oxo-4-pyrimidinecarboxamide monopotassium salt
<b>Empirical Formula:</b>	C <sub>20</sub> H <sub>20</sub> FN <sub>6</sub> O <sub>5</sub> K.
<b>HPLC Purity:</b>	99.85%
<b>Molecular Weight:</b>	482.52
<b>CAS Num:</b>	871038-72-1
<b>Purity:</b>	99.85%
<b>Solubility:</b>	Raltegravir is soluble in water. It is slightly soluble in methanol and ethanol. It is insoluble in isopropanol.
<b>Mechanical Action:</b>	Raltegravir is an HIV-1 integrase inhibitor. Inhibition of the viral integrase prevents insertion of HIV DNA into the human DNA genome thus blocking the ability of HIV-1 to replicate. <b>Warning:</b> Reagent can cause severe eye and respiratory irritation. Toxic to aquatic organisms.

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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.

**Special Characteristics:** [Click here for the SDS](#)

**Recommended Storage:** Room temperature. Once resuspended, working aliquots can be stored at –20°C.

**Contributor:** Merck & Company, Inc.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Raltegravir from Merck & Company, Inc (Cat # 11680)."

**Not available for release to commercial organizations.**

**Recipient agrees that the reagent (Raltegravir) use is permitted only as a standard for in vitro and/or studies in animals for inhibition of HIV replication.**

**Last Updated** October 30, 2020

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