



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Raltegravir (ISENTRESS/MK-0518)

**Catalog Number:** 11680

**Lot Number:** NG1-44-1

**Release Category:** E

**Provided:** 2 mg

**Chemical Name:** 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

**Empirical Formula:** C<sub>20</sub>H<sub>20</sub>FN<sub>6</sub>O<sub>5</sub>K

**Molecular Weight:** 482.5

**CAS Num:** 871038-72-1

**Purity:** 98.8 +/- 0.8% chemical purity  
99.5% area purity

**Solubility:** Soluble in water, DMSO. Insoluble in CH<sub>3</sub>CN, EtOH

**Description:** Raltegravir is an orally bioavailable inhibitor of HIV-1 integrase. It inhibits the spread of HIV-1 IIIB infection in MT-4 cell culture with 95% cell culture inhibitory concentration values of 19 and 31 nM in medium containing 10% heat-inactivated fetal bovine serum or 50% normal human serum.

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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:** Formulations containing raltegravir have been used in combination therapy in the treatment of HIV-1 infection.  
[Click here for the SDS](#)  
[Click here for the COA](#)

**Recommended Storage:** Keep the reagent at -20°C

**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: Raltegravir from NIAID, DAIDS (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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