



DATA SHEET

For research use only. Not for use in humans.

Reagent:	Raltegravir
Catalog Number:	ARP-11680
Lot Number:	70047443
Release Category:	E
Provided:	Each vial of ARP-11680 contains approximately 2.0 mg of raltegravir (potassium salt).
Description:	Raltegravir (Brand name: Isentress®; MK-0518) is an orally bioavailable inhibitor of Human Immunodeficiency Virus type 1 (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.
Special Characteristics:	<p>Formulations containing raltegravir have been used in combination therapy in the treatment of HIV-1 infection.</p> <p>CAS Number: 871038-72-1 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-pyrimidine-carboxamide, monopotassium salt Empirical Formula: C₂₀H₂₀FN₆O₅K Molecular Weight: 482.5</p> <p>Please refer to the Certificate of Analysis provided by Starks Associates, Inc. (lot NG1-44-1) for more information.</p>
Solubility:	Raltegravir is soluble in water and dimethylsulfoxide (DMSO), but only slightly soluble in methanol and ethanol. It is insoluble in acetonitrile and isopropanol.
Recommended Storage:	Room temperature
Contributor:	NIAID, DAIDS
Citation:	Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: Raltegravir, ARP-11680, contributed by NIAID, DAIDS."
Biosafety Level: 1	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. <u>Biosafety in Microbiological and Biomedical Laboratories</u> . 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see <u>www.cdc.gov/biosafety/publications/bmbl5/index.htm</u> .
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NOTE:

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.

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