NIH AIDS Reagent Program
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DATA SHEET

Reagent:	Raltegravir (ISENTRESS/MK-0518)
Catalog Number:	11680
Lot Number:	080169
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:	$C_{20}H_{20}FN_6O_5K$.
HPLC Purity:	99.85%
Molecular Weight:	482.52
CAS Num:	871038-72-1
Purity:	99.85%
Solubility:	Raltegravir is soluble in water. It is slightly soluble in methanol and ethanol. It is insoluble in isopropanol.

Mechanical Action:	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. **Warning**: Reagent can cause severe eye and respiratory irritation. Toxic to aquatic organisms.
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)." **This compound is restricted for "research purposes only" and is limited to 2.0 mg per requester. 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	July 24, 2018