



Product Information Sheet for HRP-11680

Raltegravir

Catalog No. HRP-11680

This reagent is the property of the U.S. Government.

For research use only. Not for use in humans.

Contributor:

Division of AIDS (DAIDS), National Institute of Allergy and Infectious Diseases (NIAID)

Manufacturer:

Biosynth® Carbosynth

Product Description:

Raltegravir (brand name: Isentress®, MK-0518; also referred to as raltegravir potassium) is an orally bioavailable Human Immunodeficiency Virus type 1 (HIV-1) integrase inhibitor. Inhibition of the viral integrase prevents the insertion of HIV DNA into the human DNA genome, blocking the ability of HIV-1 to replicate. Raltegravir inhibits the spread of HIV-1 IIB 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. Formulations containing raltegravir have been used in combination therapy in the treatment of HIV-1 infection.

Material Provided:

Each vial contains approximately 2.0 mg of raltegravir (potassium salt).

Note: Raltegravir is soluble in water and dimethylsulfoxide (DMSO), but only slightly soluble in methanol and ethanol. It is insoluble in acetonitrile and isopropanol.

Packaging/Storage:

HRP-11680 was packaged in amber glass vials and is provided on dry ice. HRP-12732 should be stored at 2°C to 8°C, protected from light immediately upon arrival. Once resuspended, working aliquots can be stored at -20°C. The vial should be centrifuged prior to opening.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through the NIH HIV Reagent Program, NIAID, NIH: Raltegravir, HRP-11680, contributed by DAIDS/NIAID.”

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. Biosafety in Microbiological and Biomedical Laboratories. 6th ed.

Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the NIH HIV Reagent Program Material Transfer Agreement (MTA). The MTA is available on our Web site at www.hivreagentprogram.org.

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HRP-11680_15JUL2022

Page 1 of 1