



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Nevirapine
<b>Catalog Number:</b>	4666
<b>Lot Number:</b>	01990
<b>Release Category:</b>	A
<b>Provided:</b>	20 mg
<b>Chemical Name:</b>	11-cyclopropyl-5,11-dihydro-4-methyl-4H-dipyrido [3,2-b:2',3'-][1,4] diazepin-6-one
<b>Empirical Formula:</b>	C <sub>15</sub> H <sub>14</sub> N <sub>4</sub> O
<b>Molecular Weight:</b>	266.31
<b>CAS Num:</b>	129618-40-2
<b>Purity:</b>	> 90%
<b>Solubility:</b>	DMSO; chloroform; slightly soluble in methanol; soluble in water (0.1mg/mL at neutral pH).
<b>Mechanical Action:</b>	Nevirapine is a non-nucleoside reverse transcriptase inhibitor of HIV-1. Nevirapine binds directly to reverse transcriptase and blocks the RNA-dependent and DNA-dependent DNA polymerase activities by causing a disruption of enzyme's catalytic site. HIV-2 reverse transcriptase and eukaryotic DNA polymerase are not inhibited by nevirapine.
<b>Recommended Storage:</b>	Room temperature. Once resuspended, working aliquots can be stored at -20°C.

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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.

**Contributor:** Division of AIDS, NIAID.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Nevirapine."

**This compound is restricted for "research purposes only" and is limited to 40 mg per requester per year. Not available for release to commercial organizations outside of the USA.**

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

**Last Updated** March 24, 2014

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