



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Tipranavir (Aptivus)
<b>Catalog Number:</b>	11285
<b>Lot Number:</b>	NB33-92-4
<b>Release Category:</b>	A
<b>Provided:</b>	20 mg
<b>Chemical Name:</b>	2-Pyridinesulphonamide, N-[3-[(1R)-1-[(6R)-5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl]phenyl]-5- (trifluoromethyl)-
<b>Empirical Formula:</b>	C <sub>31</sub> H <sub>33</sub> F <sub>3</sub> N <sub>2</sub> O <sub>5</sub> S
<b>HPLC Purity:</b>	100%
<b>Molecular Weight:</b>	602.7
<b>CAS Num:</b>	174484-41-4
<b>Purity:</b>	100% (by HPLC)
<b>Solubility:</b>	Tipranavir is soluble in ethyl acetate. It is insoluble in aqueous buffer at pH 7.5.
<b>Mechanical Action:</b>	Tipranavir is a non-peptidic HIV-1 protease inhibitor that inhibits the virus-specific processing of the viral <i>gag</i> and <i>gag-pol</i> polyproteins in HIV-1 infected cells. The drug prevents formation of mature virions. Tipranavir demonstrates antiviral activity <i>in vitro</i> against a broad panel of HIV-1 group M non-clade B isolates. HIV-1 group O and HIV-2 isolates have reduced susceptibility to tipranavir.

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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.

**Recommended Storage:** Room temperature. Once resuspended, working aliquots can be stored at  $-20^{\circ}\text{C}$ .

**Contributor:** DAIDS, NIAID

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Tipranavir from NIAID, DAIDS (cat# 11285)."

**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 [Tipranavir (Aptivus)] 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

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