



## NIH AIDS Reagent Program

20301 Century Boulevard  
Building 6, Suite 200  
Germantown, MD 20874  
USA

Phone: 240 686 4740  
Fax: 301 515 4015  
aidsreagent.org

### DATA SHEET

<b>Reagent:</b>	Amprenavir
<b>Catalog Number:</b>	8148
<b>Lot Number:</b>	10295-1
<b>Release Category:</b>	A
<b>Provided:</b>	20 mg
<b>Chemical Name:</b>	(3S)-tetrahydro-3-furyl N-[(1S,2R)-3-(4-amino-N-isobutylbenzene sulfonamide)-1-benzyl-2-hydroxypropyl]carbamate
<b>Empirical Formula:</b>	C <sub>25</sub> H <sub>35</sub> N <sub>3</sub> O <sub>6</sub> S
<b>Molecular Weight:</b>	505.63
<b>CAS Num:</b>	161814-49-9
<b>Purity:</b>	99.7% (by HPLC)
<b>Solubility:</b>	Soluble in methanol, ethanol, chloroform, DMSO, acetonitrile, and methylene chloride. Insoluble in water and hexane.
<b>Mechanical Action:</b>	Amprenavir is an inhibitor of HIV-1 protease. Amprenavir binds to the active site of HIV-1 protease and thereby prevents the processing of viral <i>gag</i> and <i>gag-pol</i> polyprotein precursors, resulting in the formation of immature non-infectious viral particles.
<b>Recommended Storage:</b>	Store 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:** NIAID, DAIDS

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Amprenavir from NIAID, DAIDS (cat# 8148)."

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

**Last Updated** November 25, 2019

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