



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Indinavir Sulfate
<b>Catalog Number:</b>	8145
<b>Lot Number:</b>	NG40-93-1
<b>Release Category:</b>	A
<b>Provided:</b>	20 mg
<b>Chemical Name:</b>	(alphaR, gammas,2S)-alpha-Benzyl-2-(tert-butylcarbonyl)-gamma-hydroxy-N-[(1S,2R)-2-hydroxy-1-indanyl]-4-(3-pyridyl-methyl)-1-piperazinevaleramide sulfate.
<b>Empirical Formula:</b>	C <sub>36</sub> H <sub>47</sub> N <sub>5</sub> O <sub>4</sub> · H <sub>2</sub> SO <sub>4</sub>
<b>Molecular Weight:</b>	711.88
<b>CAS Num:</b>	157810-81-6
<b>Purity:</b>	89%
<b>Solubility:</b>	Very soluble in water and in methanol. Insoluble in hexanes
<b>Mechanical Action:</b>	Indinavir sulfate is a selective, competitive inhibitor of HIV-1 protease. Indinavir is a structural analogue of the HIV <i>Phe-Pro</i> protease cleavage site. The drug's structure inhibits the function of HIV protease, blocking virus maturation and causing the formation of immature, noninfectious virions.
<b>Special Characteristics:</b>	<a href="#">Click here for the SDS</a>

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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:** NIAID, DAIDS

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Indinavir Sulfate from NIAID, DAIDS (cat# 8145)."

Recipient agrees that the reagent (Indinavir Sulfate) 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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