



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Atazanavir Sulfate
Catalog Number:	10003
Lot Number:	NB19-22-1
Release Category:	A
Provided:	20 mg
Chemical Name:	(3S,8S,9S,12S)-3,12-Bis(1,1-dimethylethyl)-8-hydroxy-4,11-Dioxo-9-(phenylmethyl)-6-[[4-(2-pyridinyl)phenyl]methyl]2,5,6,10,13-pentaazatetradecanedioic acid dimethyl ester, sulfate
Empirical Formula:	C ₃₈ H ₅₂ N ₆ O ₇ · H ₂ SO ₄
Molecular Weight:	802.9
CAS Num:	229975-97-7
Purity:	>90%
Solubility:	Slightly soluble in water (4-5 mg/ml, free base equivalent), also soluble in DMSO and alcohol. Insoluble in EtOAc or CH ₂ Cl ₂
Mechanical Action:	Atazanavir is an azapeptide HIV-1 protease inhibitor. The compound selectively inhibits the virus-specific processing of viral <i>gag</i> and <i>gag-pol</i> polyproteins in HIV-1 infected cells, thus preventing formation of mature virions.
Special Characteristics:	Click here for the SDS

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°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: Atazanavir Sulfate from NIAID, DAIDS (cat# 10003)."

Recipient agrees that the reagent (Atazanavir 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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