



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Bevirimat Dimeglumine

**Catalog Number:** 12199

**Lot Number:** 120080

**Release Category:** A

**Provided:** 30mg

**Chemical Name:** 3-O-(3',3' -dimethylsuccinyl) betulinic acid di-N-methyl-D-glucamine salt

**Empirical Formula:**  $C_{36}H_{56}O_6 \cdot 2(C_7H_{17}NO_5)$

**HPLC Purity:** 98.4% (by HPLC)

**Molecular Weight:** 975.28

**CAS Num:** 823821-85-8

**Solubility:** Methanol >30mg/ml  
Water insoluble

**Mechanical Action:** HIV viral maturation inhibitor

**Recommended Storage:** Room Temperature

**Contributor:** Myrexix, Inc.

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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.

**References:**

Li F, Goila-Gaur R, Salzwedel K, Kilgore NR, Reddick M, Matallana C, Castillo A, Zoumplis D, Martin DE, Orenstein JM, Allaway GP, Freed EO, Wild CT. PA-457: a potent HIV inhibitor that disrupts core condensation by targeting a late step in Gag processing. *Proc Natl Acad Sci U S A*. 2003 Nov 11;100(23):13555-60.

Zhou J, Huang L, Hachey DL, Chen CH, Aiken C. Inhibition of HIV-1 maturation via drug association with the viral Gag protein in immature HIV-1 particles. *J Biol Chem*. 2005 Dec 23;280(51):42149-55.

Li F, Zoumplis D, Matallana C, Kilgore NR, Reddick M, Yunus AS, Adamson CS, Salzwedel K, Martin DE, Allaway GP, Freed EO, Wild CT. Determinants of activity of the HIV-1 maturation inhibitor PA-457. *Virology*. 2006 Dec 5-20;356(1-2):217-24.

Smith PF, Ogundele A, Forrest A, Wilton J, Salzwedel K, Doto J, Allaway GP, Martin DE. Phase I and II study of the safety, virologic effect, and pharmacokinetics/pharmacodynamics of single-dose 3-o-(3',3'-dimethylsuccinyl)betulinic acid (bevirimat) against human immunodeficiency virus infection. *Antimicrob Agents Chemother*. 2007 Oct;51(10):3574-81.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, NIAID, NIH and Myrex, Inc: Bevirimat".

**Last Updated**

July 24, 2018

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