

**AMD3100**

**Catalog No. HRP-8128**

This reagent is the property of the U.S. Government.

**For research use only. Not for use in humans.**

**Contributor:**

NIH HIV Reagent Program

**Manufacturer:**

Ambeed, Inc., Arlington Heights, Illinois, USA

**Product Description:**

HRP-8128 is AMD3100 octahydrochloride, (also known as JM3100 octahydrochloride or Plerixafor octaHCl). AMD3100, a bicyclam, inhibits the entry of human immunodeficiency virus type 1 (HIV-1) into CD4+ T cells via selective blockade of the chemokine CXCR-4 receptor.<sup>1</sup>

Note: This material causes skin and eye irritation and may cause respiratory irritation.

**Material Provided:**

Each vial contains approximately 20 mg of AMD3100. HRP-8128 is soluble in water.

**Packaging/Storage:**

HRP-8128 was packaged in glass vials and is provided at room temperature. The product should be stored at -20°C.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: AMD3100, HRP-8128.”

**Biosafety Level: 1**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories (BMBL). Current Edition. Washington, DC: U.S. Government Printing Office.

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**References:**

1. De Clercq, E. “The AMD3100 Story: The Path to the Discovery of a Stem Cell Mobilizer (Mozobil).” Biochem. Pharmacol. 77 (2009): 1655-1664. PubMed: 19161986.

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