# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMP145032-02)

**Release Date:** 28/04/2025 **Re-test Date:** 27/04/2028

# PLERIXAFOR HEXA NITROSAMINE IMPURITY

### **Identification**

#### **Chemical Name:**

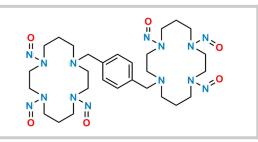
1,4-Bis((4,8,11-trinitroso-1,4,8,11-tetraazacyclotetradecan-1-yl)methyl)benzene

**CAT No.** : KMP145032

**CAS No.** : Not Available

**Molecular Formula** : C28H48N14O6

**Molecular Weight** : 676.8



# **Analytical Information**

Batch No. : P145032-091-361 **Solubility** : Acetonitrile : Confirm **Description** : Yellow Solid Mass **HPLC Purity** : 97.80 % : Confirm IR Weight Loss By TGA : 1.24 % 1H NMR : Confirm % Potency : 96.59 % **13C NMR** : Confirm

### **Additional Information**

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition**: Product is stable to be Shipped at Room Temperature

**% Potency =** [100 - 1.24(Weight Loss By TGA)] x [97.80(HPLC Purity)]/100 = 96.59 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		26/09/2025
Reviewed & Approved By	Quality Control	Jatin Patel		26/09/2025

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA