

CERTIFICATE OF ANALYSIS

(Certificate No. KMP145032-02)

Release Date: 28/04/2025

Re-test Date: 27/04/2028

PLERIXAFOR NITROSO IMPURITY-1 (HEXA NITROSAMINE IMPURITY)

Identification

Chemical Name :

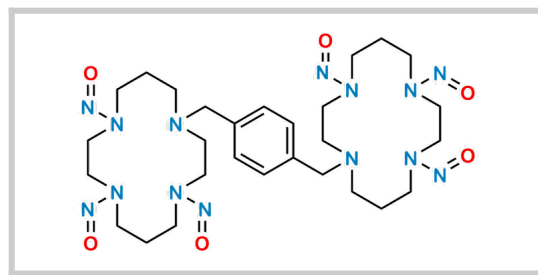
1,4-Bis((4,8,11-trinitroso-1,4,8,11-tetraazacyclotetradecan-1-yl)methyl)benzene

CAT No. : KMP145032

CAS No. : Not Available

Molecular Formula : C₂₈H₄₈N₁₄O₆

Molecular Weight : 676.8



Analytical Information

Batch No. : P145032-091-361

Description : Yellow Solid

HPLC Purity : 97.80 %

Weight Loss By TGA : 1.24 %

% Potency : 96.59 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

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 %

-As per client request alternate name of product added on 22.07.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		22/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		22/07/2025

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