



CERTIFICATE OF ANALYSIS

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1. Identification

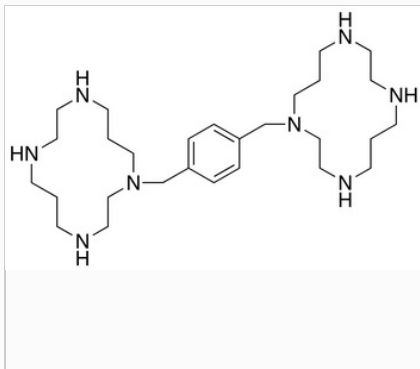
Catalogue Number: P580500

CAS Number: 110078-46-1

Product: Plerixafor

Synonym: 1,1'-[1,4-Phenylenebis(methylene)]bis-1,4,8,11-tetraazacyclotetradecane; AMD 3100; JM3100; SID791

Structure:



Molecular Formula:

C₂₈H₅₄N₈

Molecular weight:

502.78

Source of Product:

Synthetic

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 5-YFD-88-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1: Hygroscopic

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Beige Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 66.51, %H: 10.52, %N: 22.15
HPLC Purity	>95%	98.83% (215 nm)

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol : Ammonium Hydroxide = 5 : 3.5 : 1.5; Visualized with UV and Ninhydrin; Single Spot, R_f = 0.25. Elemental Analysis: (Theoretical) %C: 66.89, %H: 10.83, %N: 22.29

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Eric Beaton	Toni Rantanen	My Nguyen	1/29/2020	1/27/2027