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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

Re-test Date: Feb 2028

Product Name: Plerixafor Impurity 46

Identification:

Chemical Name: 4-((1,4,8,11-tetraazacyclotetradecan-1-yl)methyl)benzaldehyde

Synonyms : Plerixafor-Aldehyde Impurity

CAS Number : 1254176-45-8

CAT Number : CP-P68043

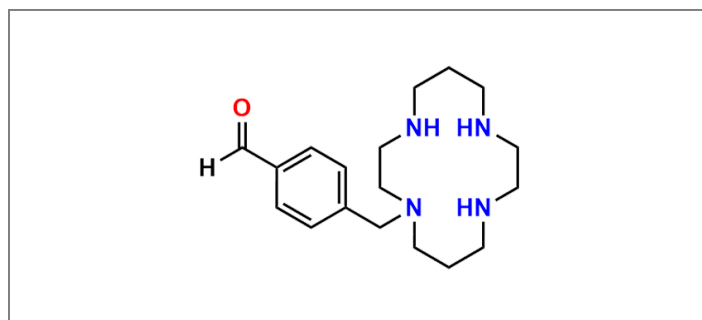
Molecular Formula : C₁₈H₃₀N₄O

Molecular Weight : 318.47

Batch Number : CP-PLA-ALD-0326

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White to Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	97.21%
5)	¹ H NMR	Confirm to structure
6)	¹³ C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	6.476%
9)	Potency by TGA	90.91%



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Quality Control)

Approved By



Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.