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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

Re-test Date: Feb 2028

**Product Name: Plerixafor Impurity 37**

### Identification:

Chemical Name: (1,4,8,11-tetraazacyclotetradecan-1-yl)(p-tolyl)methanone hydrochloride

Synonyms : NA

CAS Number : NA

CAT Number : CP-P68026

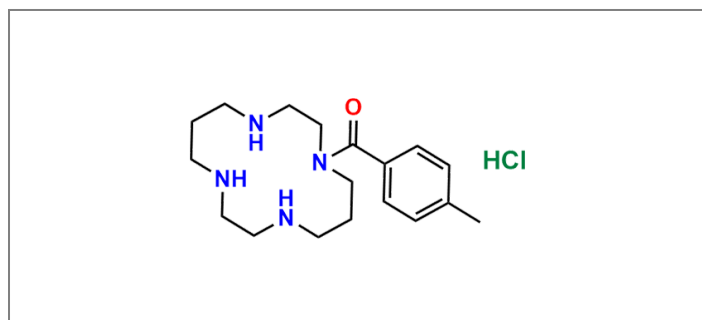
Molecular Formula : C<sub>18</sub>H<sub>30</sub>N<sub>4</sub>O : HCl

Molecular Weight : 318.47 : 36.5

Batch Number : CP-PLK-KET-0326

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Light Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	96.20%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	2.359%
9)	Potency by TGA	93.93%



**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.