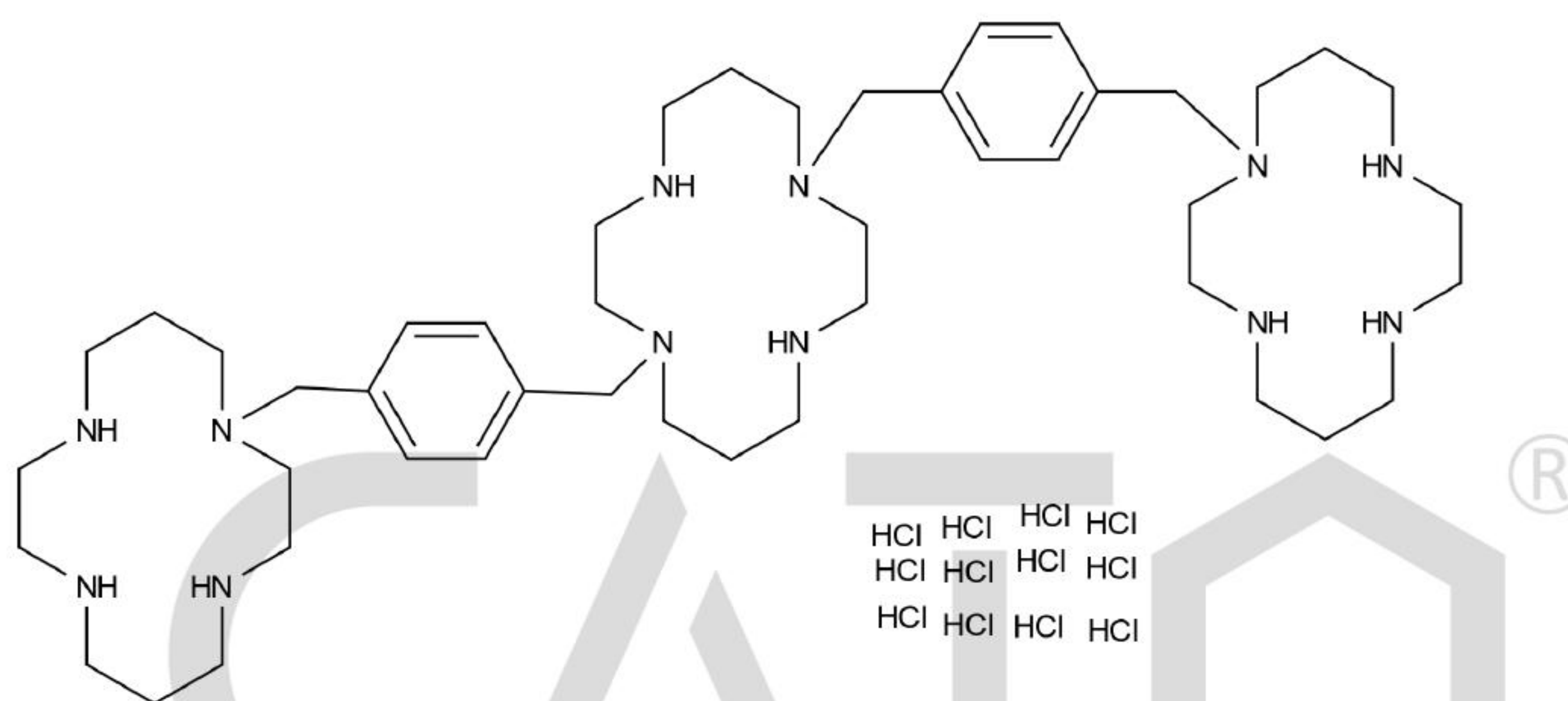


Certificate of Analysis

Reference Material & Standard

Product Name:	Plerixafor Impurity 42 (12HCl)	Catalogue Number:	C4X-113342
Synonyms:	N/A	Lot Number:	0227-RF-0055
CAS Number:	2173049-85-7	Expiry Date:	Oct 24, 2028
Molecular Formula:	C ₄₆ H ₈₄ N ₁₂ 12*HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	805.24 12*36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.357%
Water Content	Karl Fischer	0.76%
Assay		96.6%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity HPLC (%) / 100%

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Sep 04, 2025

Date: Sep 04, 2025

Date: Sep 04, 2025

