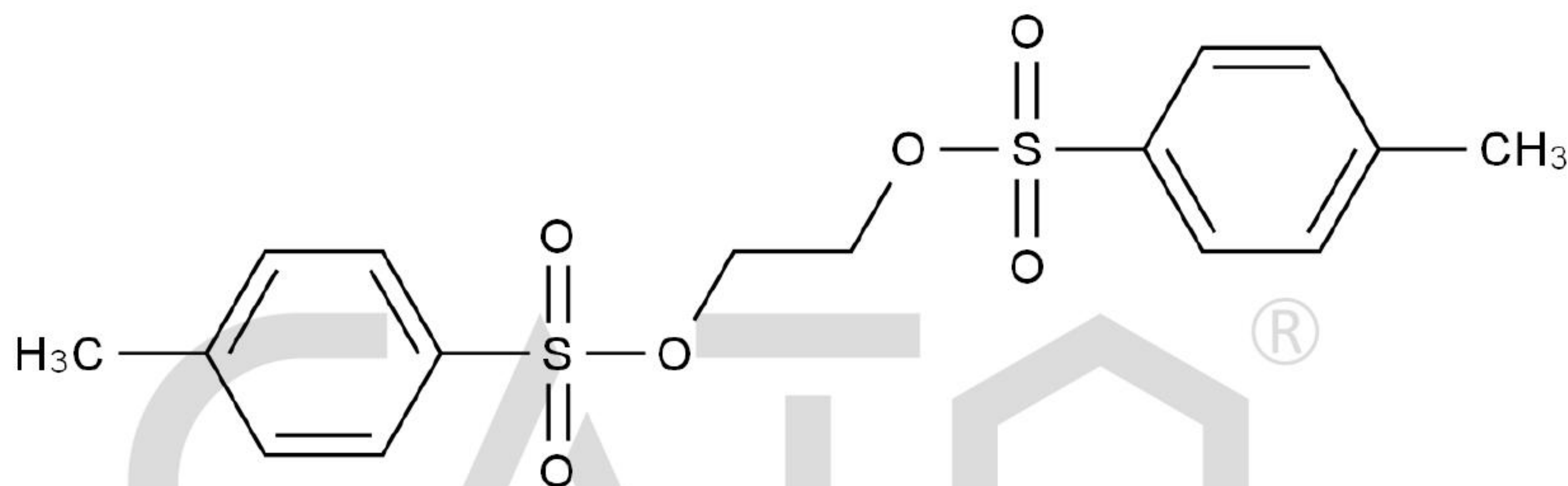


Certificate of Analysis

Reference Material & Standard

Product Name:	Plerixafor Impurity 20	Catalogue Number:	C4X-113320
Synonyms:	1,2-Bis(tosyloxy)ethane	Lot Number:	0709-RG-0020
CAS Number:	6315-52-2	Expiry Date:	Jul 08, 2028
Molecular Formula:	C ₁₆ H ₁₈ O ₆ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	370.44	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.316%
Loss On Drying	TGA	0.0548%
Assay		99.3%

Comment:

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

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 09, 2025

Date: Jul 09, 2025

Date: Jul 09, 2025

