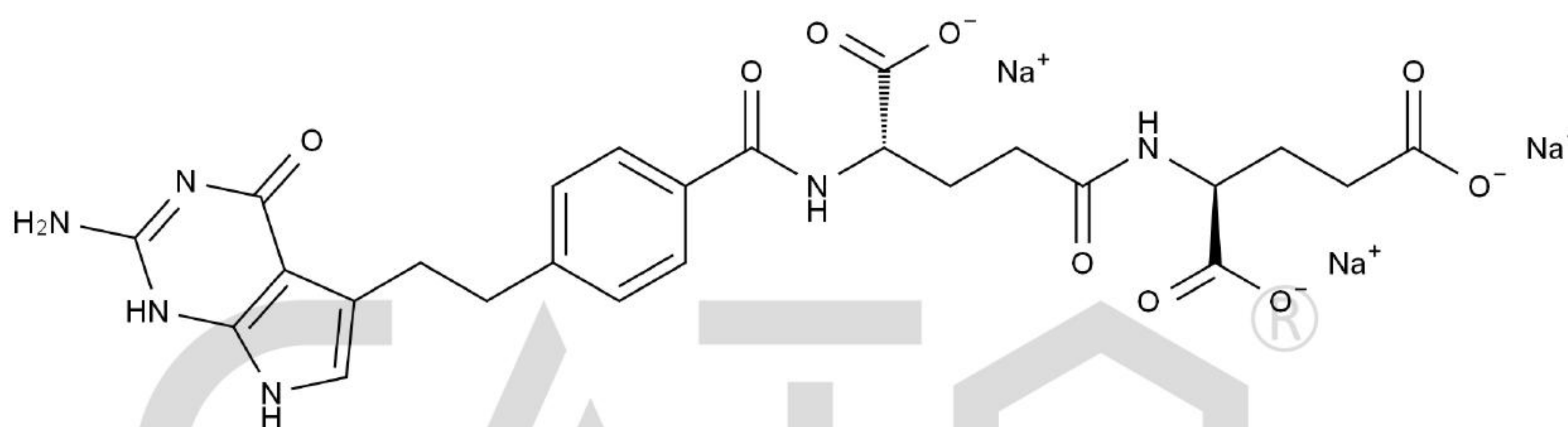


Certificate of Analysis

Reference Material & Standard

Product Name:	Pemetrexed EP Impurity D Trisodium salt	Catalogue Number:	C4X-172623
Synonyms:	N/A	Lot Number:	0512-RG-0069
CAS Number:	1265908-59-5	Expiry Date:	Apr 24, 2028
Molecular Formula:	C ₂₅ H ₂₅ N ₆ O ₉ 3*Na	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	553.50 3*22.99		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.206%
Water Content	Karl Fischer	1.82%
Residual Solvents	NMR	0.14% methanol and 2.39% ethanol
Assay		94.9%

Comment:

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

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

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: May 21, 2025

Date: May 21, 2025

Date: May 21, 2025

