

Certificate of Analysis

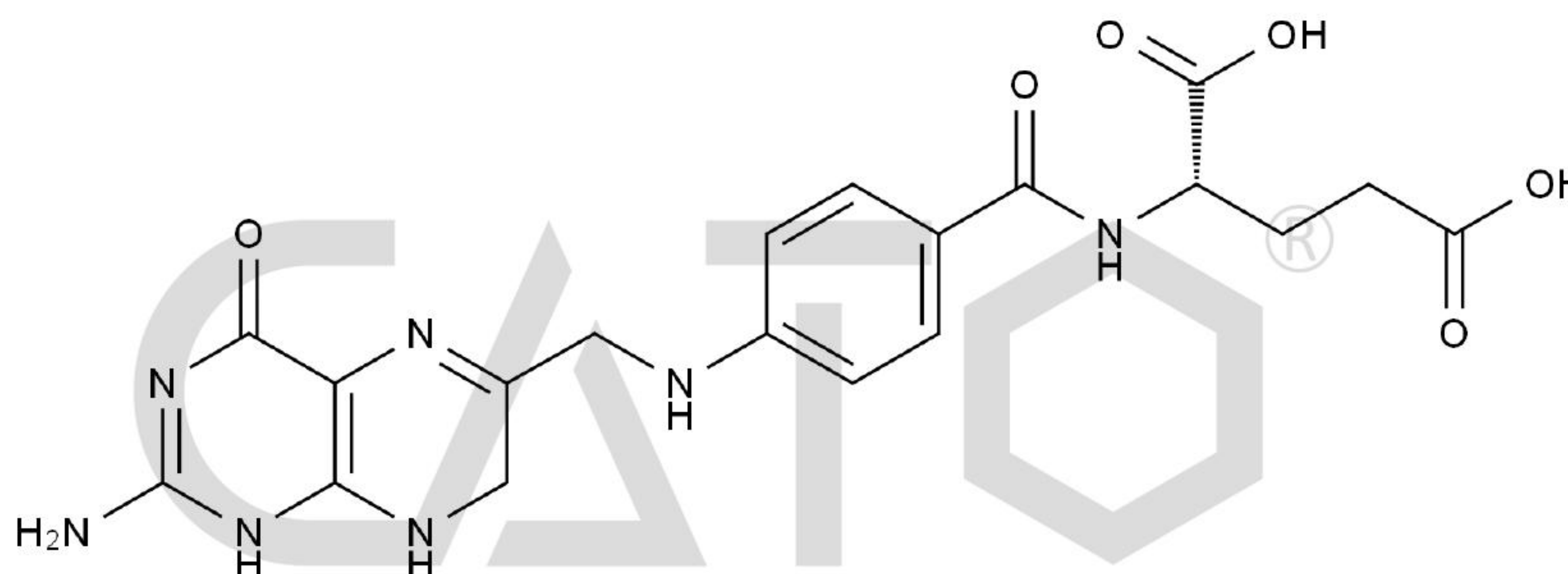
Reference Material & Standard

Product Name:	Folic Acid Impurity 14	Catalogue Number:	C4X-139514
Synonyms:	N/A	Lot Number:	1217-RG-0060
CAS Number:	4033-27-6	Expiry Date:	Apr 06, 2030
Molecular Formula:	C ₁₉ H ₂₁ N ₇ O ₆	Storage:	-80°C±5°C Protected from light and Sealed
Molecular Weight:	443.41	Shipping Condition:	Shipping with Dry Ice

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	94.938%
Water Content	Karl Fischer	6.37%
Residual Solvents	NMR	Not detected in NMR
Assay		88.9%

Comment:

The calculation of the mass balance 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:

Reviewed by:

Approved by General Manager:

Date: Apr 13, 2026

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