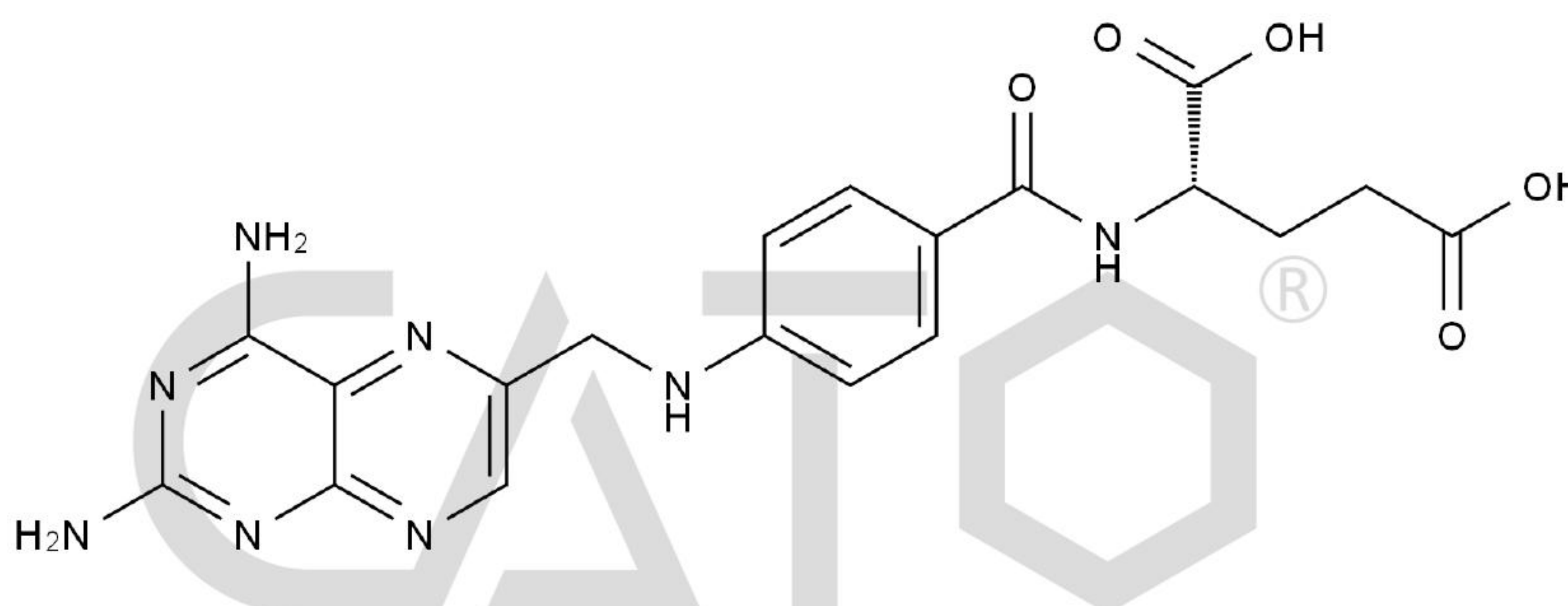


Certificate of Analysis

Reference Material & Standard

Product Name:	Methotrexate EP Impurity B	Catalogue Number:	C4X-11542
Synonyms:	Methotrexate Related Compound B	Lot Number:	0629-RH-0104
CAS Number:	54-62-6	Expiry Date:	Jul 05, 2030
Molecular Formula:	C ₁₉ H ₂₀ N ₈ O ₅	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	440.41	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.980%
Loss on Drying	TGA	4.5799%
Assay		93.5%

Comment:

The calculation of the mass balance 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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 06, 2026

Date: Jul 06, 2026

Date: Jul 06, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

