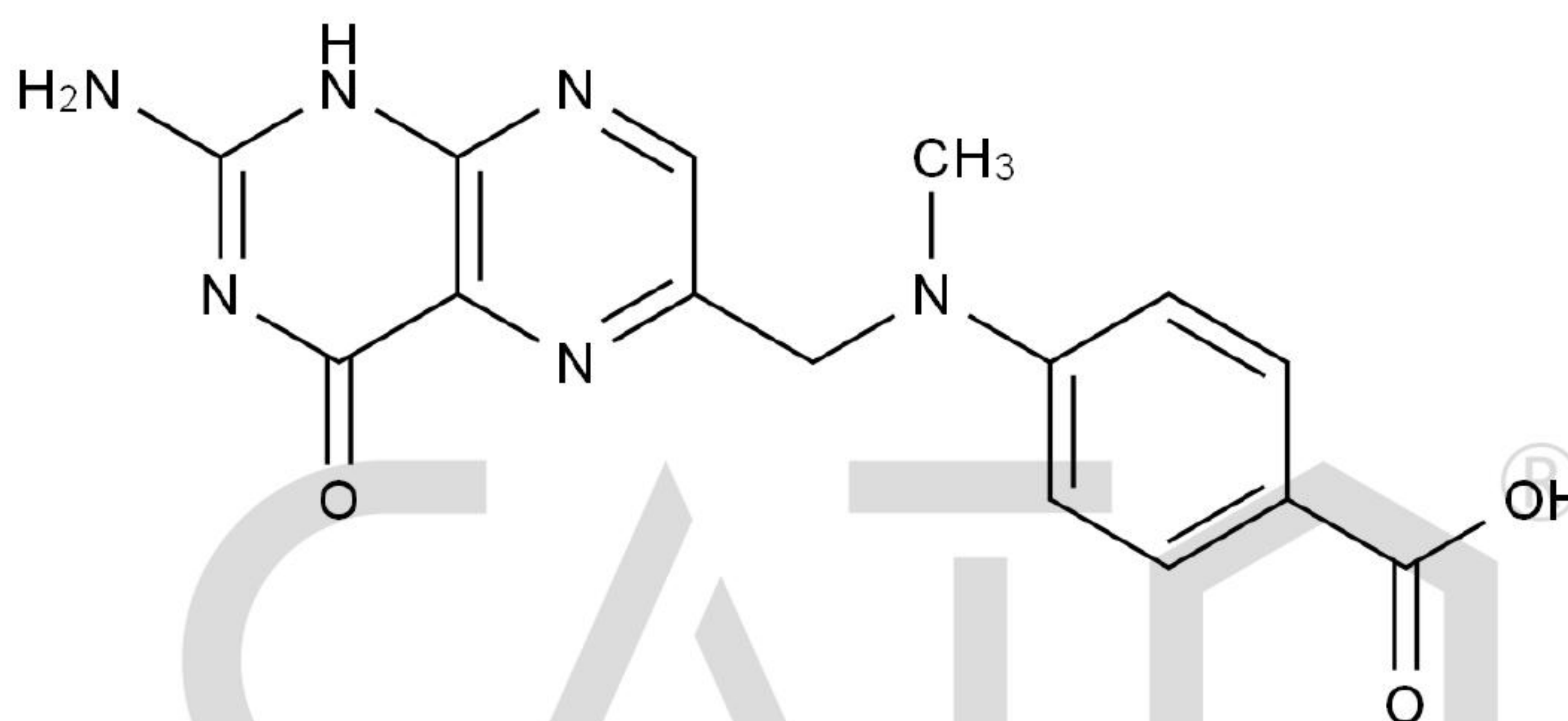


Certificate of Analysis

Reference Material & Standard

Product Name:	Methotrexate EP Impurity D	Catalogue Number:	C4X-11544
Synonyms:	N/A	Lot Number:	0403-RG-0018
CAS Number:	5623-18-7	Expiry Date:	Apr 15, 2028
Molecular Formula:	C ₁₅ H ₁₄ N ₆ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	326.31		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.073%
Loss On Drying	TGA	0.8659%
Assay		96.2%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Apr 16, 2025

Date: Apr 16, 2025

Date: Apr 16, 2025

