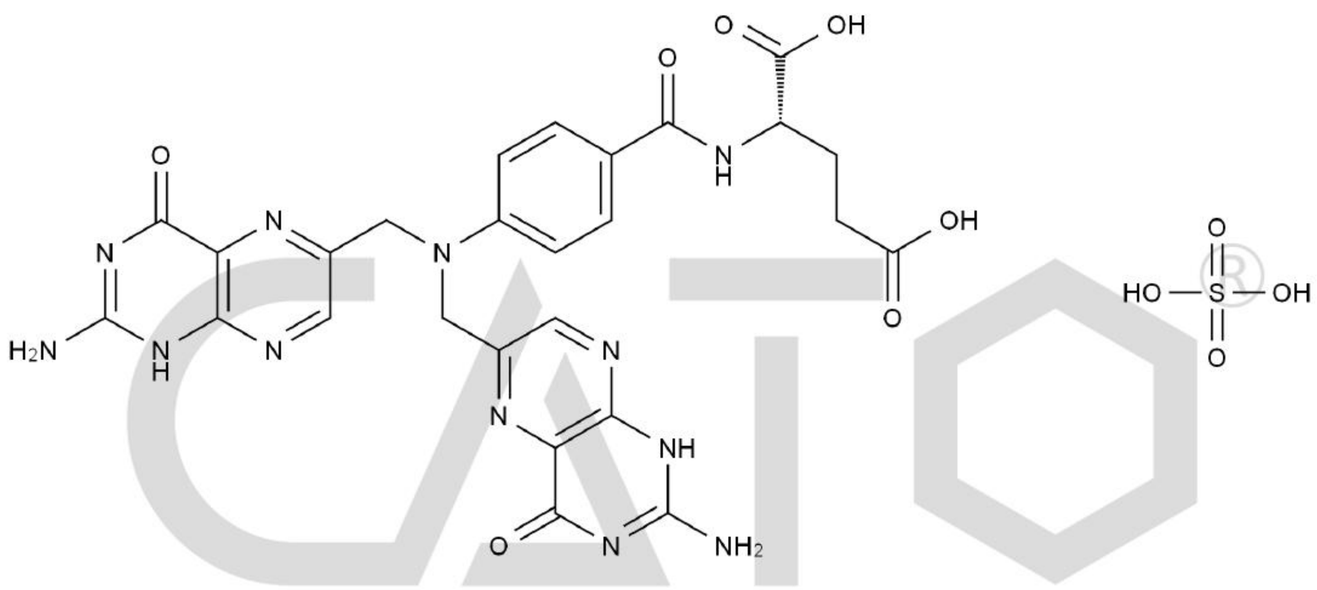
Certificate of Analysis

Reference Material & Standard

Product Name:	Folic Acid EP Impurity E Sulfate	**Catalogue Number:**	C4X-139541
Synonyms:	N/A	**Lot Number:**	0730-RH-0115
CAS Number:	N/A	**Expiry Date:**	Jul 29, 2030
Molecular Formula:	$C_{26}H_{24}N_{12}O_7$ H_2O_4S	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	616.54 98.08	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	96.5985%
Loss on Drying	TGA	3.160%
Assay	Mass Balance	93.5%

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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: Koji Date: Oct 08, 2026

Reviewed by: Lisa Date: Oct 08, 2026

Approved by General Manager: David Date: Oct 08, 2026

CATO Research Chemicals Inc.