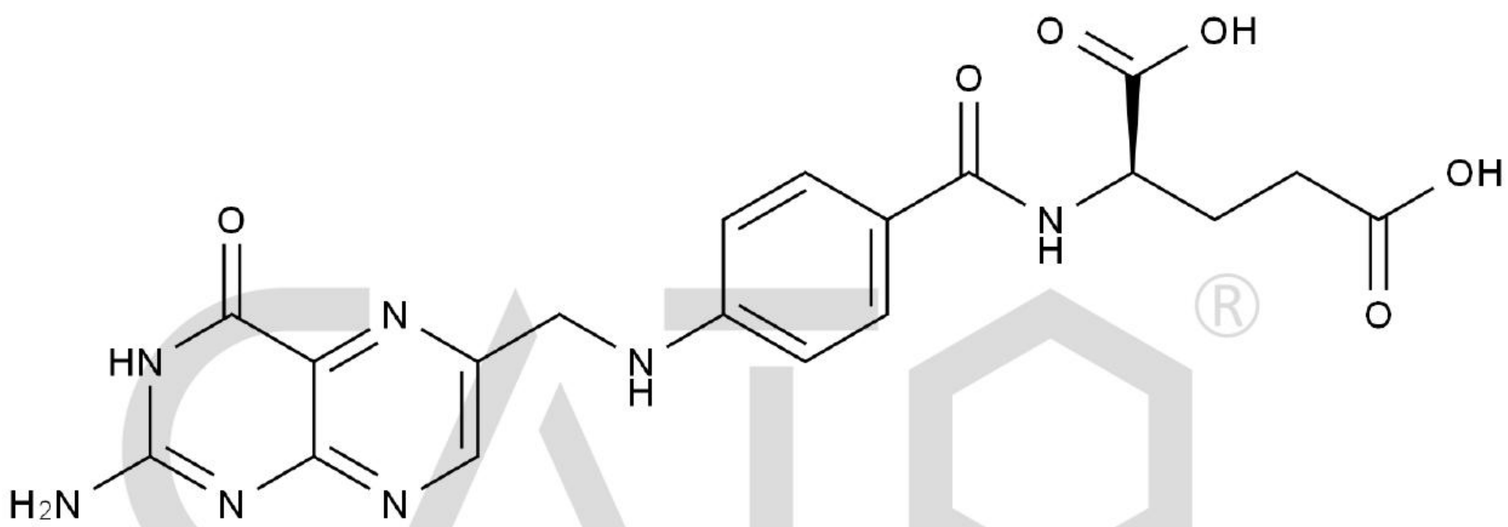
Certificate of Analysis

Reference Material & Standard

Product Name:	D-Folic Acid	**Catalogue Number:**	C4X-139518
Synonyms:	N/A	**Lot Number:**	1111-RH-0063
CAS Number:	65165-91-5	**Expiry Date:**	Nov 12, 2030
Molecular Formula:	$C_{19}H_{19}N_7O_6$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	441.40	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	97.570%
Loss on Drying	TGA	6.2314%
Assay	Mass Balance	91.5%

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: Alice Date: Nov 13, 2026

Reviewed by: Koi Date: Nov 13, 2026

Approved by General Manager: David Date: Nov 13, 2026

CATO Research Chemicals Inc.