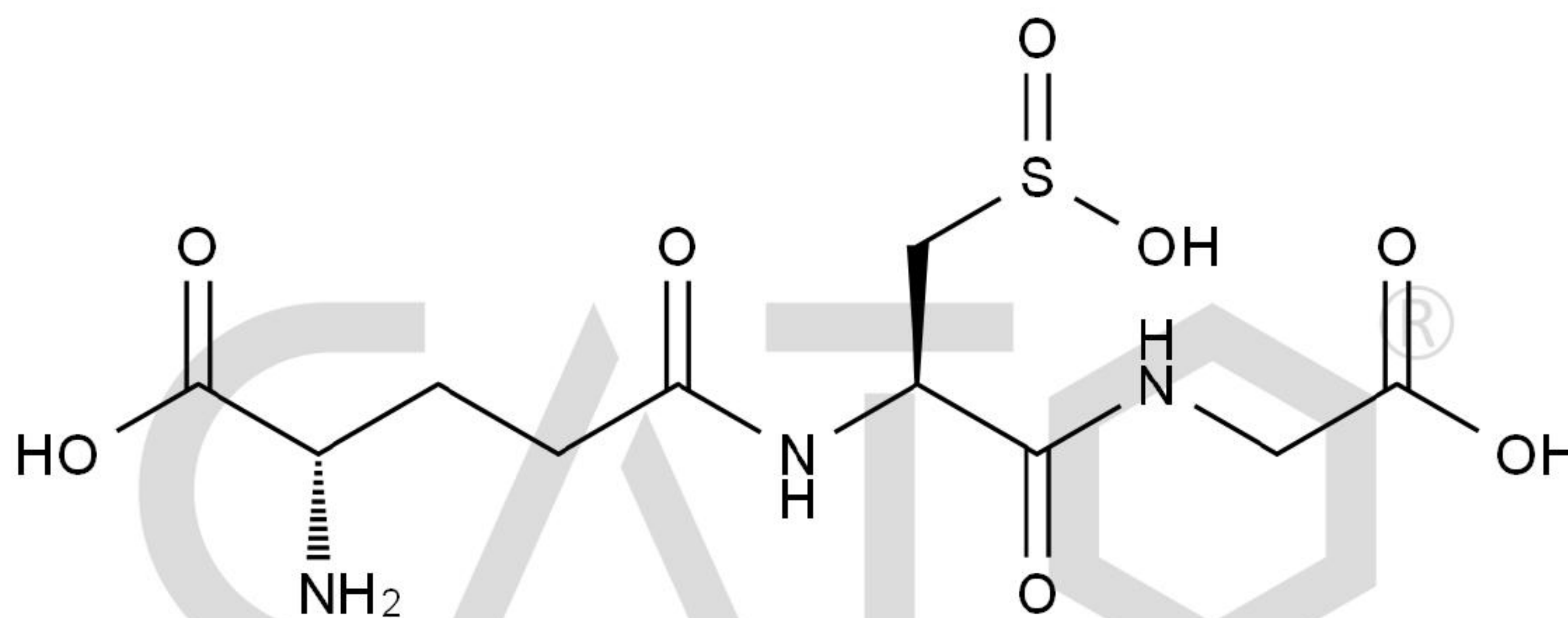


Certificate of Analysis

Reference Material & Standard

Product Name:	Glutathione Impurity N5	Catalogue Number:	CP121235
Synonyms:	N/A	Lot Number:	1218-RE-0026
CAS Number:	17297-99-3	Expiry Date:	Dec 18, 2026
Molecular Formula:	C10H17N3O8S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	339.32	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.523%
Water Content	Karl Fischer	0.31%
Residual Solvents	NMR	1.49% ammonium acetate
Assay		94.8%

Comment:

The calculation of the 100% 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:

Lily

Reviewed by:

Hinlam

Aproved by General Manager:

David

Date: Dec 25, 2023

Date: Dec 25, 2023

Date: Dec 25, 2023

