

Certificate of Analysis

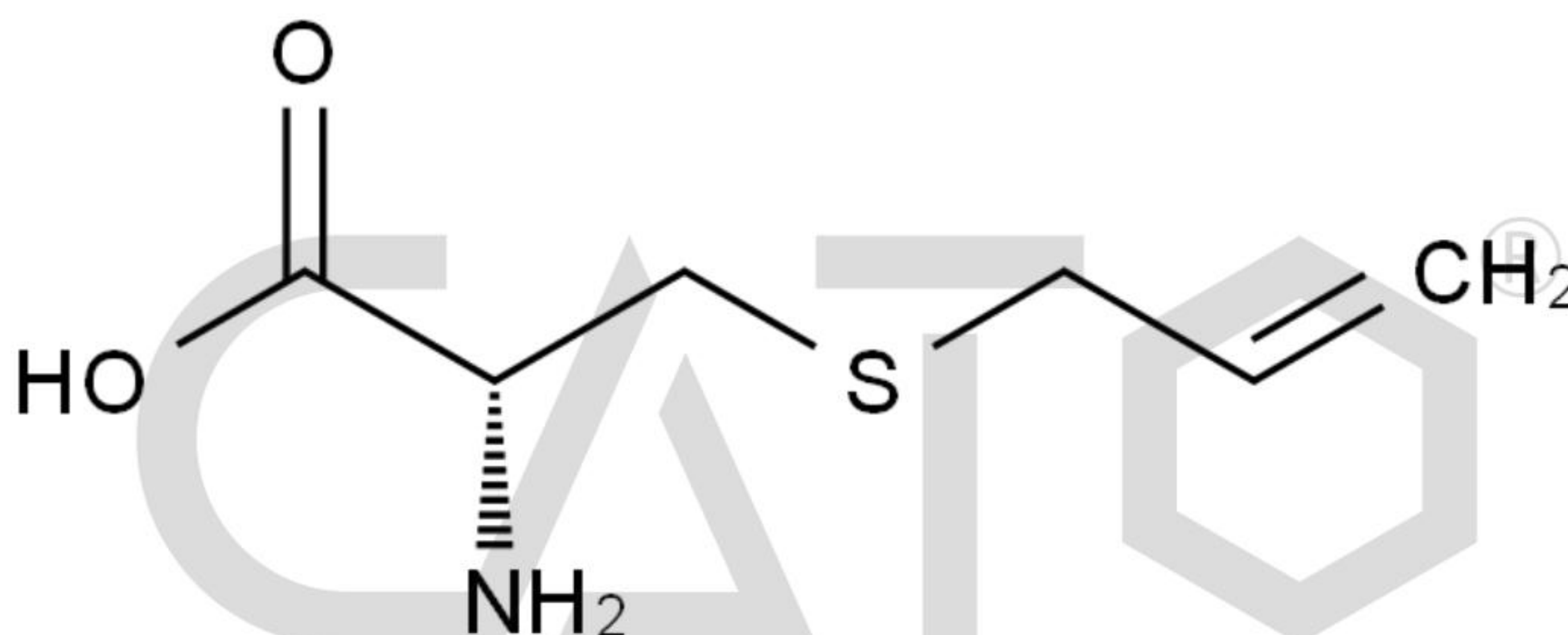
Reference Material & Standard

Product Name:	S-Allyl-L-cysteine	Catalogue Number:	CCFD201731
Synonyms:	N/A	Lot Number:	0422-RD-0058
CAS Number:	21593-77-1	Expiry Date:	Apr 27, 2025
Molecular Formula:	C ₆ H ₁₁ NO ₂ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	161.22	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.550%
Water Content	Karl Fischer	0.8448%
Assay		94.7%
Uncertainty		±2.0%

Comment:

1. S-Allyl-L-cysteine produce structural tautomerism in solution.
2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
Assay (%) = (100%-Water Content) * Purity HPLC (%) / 100%
Water Content is considered as absolute effect, HPLC purity is considered as relative effect.
3. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

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Reviewed by:

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Approved by General Manager:

David

Date: Apr 28, 2022

Date: Apr 29, 2022

Date: Apr 29, 2022

