

Certificate of Analysis

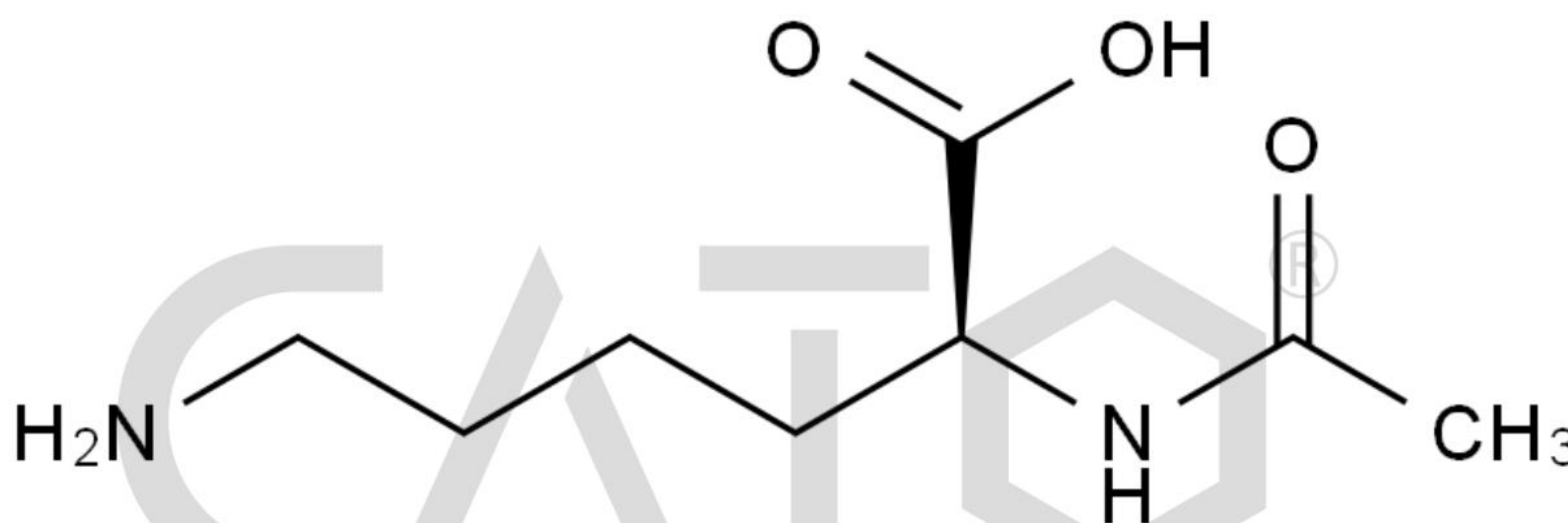
Reference Material & Standard

Product Name:	Lysine Impurity 20	Catalogue Number:	C4X-221120
Synonyms:	Ac-Lys-OH	Lot Number:	0413-RH-0180
CAS Number:	1946-82-3	Expiry Date:	Apr 15, 2030
Molecular Formula:	C ₈ H ₁₆ N ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	188.22	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	99.687%
Loss on Drying	TGA	0.0089%
Assay		99.7%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity ELSD (%) / 100%

Loss on Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

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Approved by General Manager:

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Date: Apr 16, 2026

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