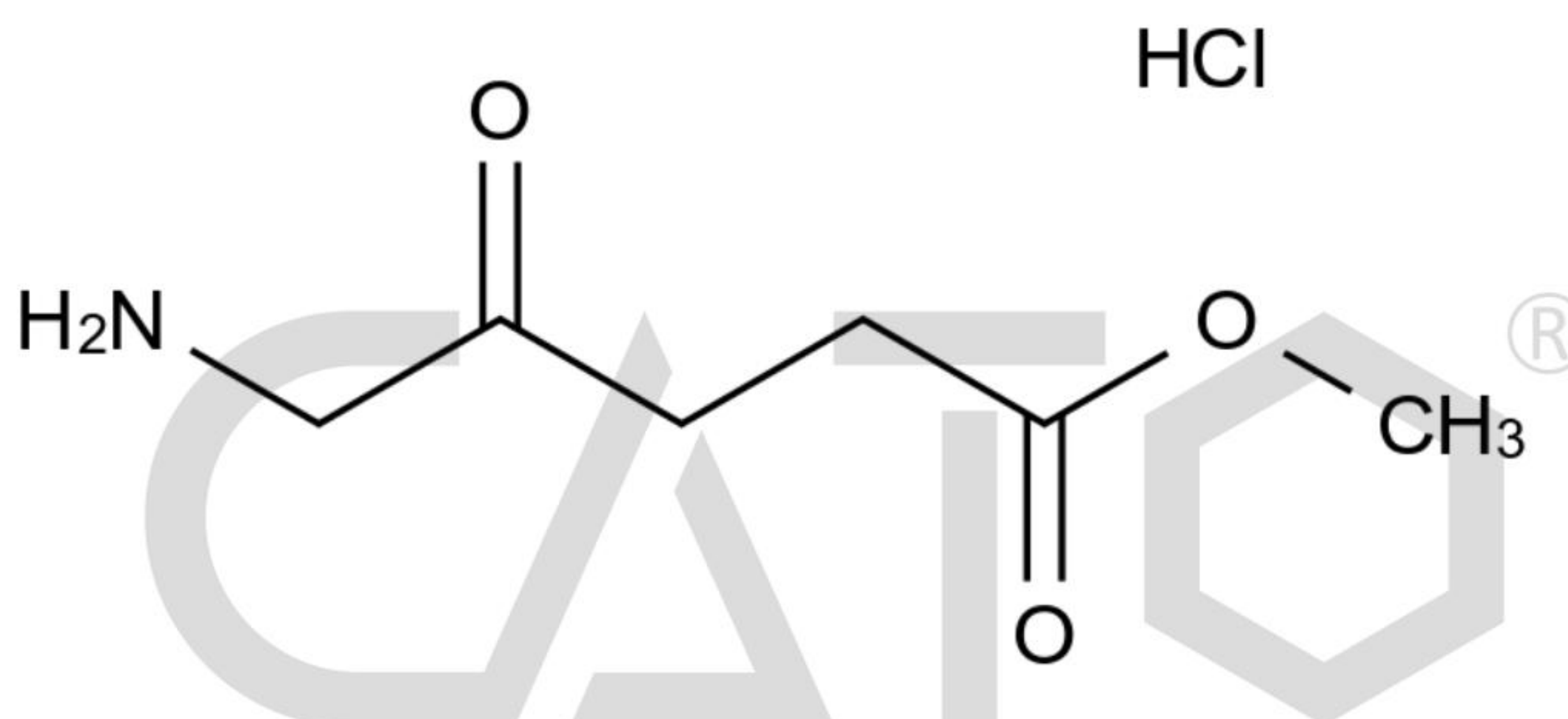


Certificate of Analysis

Reference Material & Standard

Product Name:	5-Aminolevulinic acid methyl ester hydrochloride	Catalogue Number:	C4X-2993
Synonyms:	N/A	Lot Number:	0424-RH-0100
CAS Number:	79416-27-6	Expiry Date:	May 11, 2030
Molecular Formula:	C ₆ H ₁₁ NO ₃ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	145.16 36.46	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	94.516%
Residue on Ignition	TGA	0.8307%
Loss on Drying	TGA	0.1748%
Assay		93.6%

Comment:

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

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

Residue on Ignition and Loss on Drying are considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: May 12, 2026

Date: May 13, 2026

Date: May 13, 2026



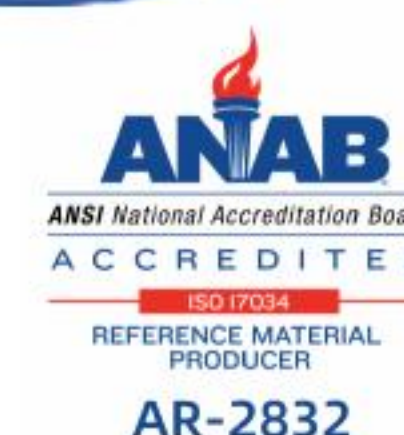
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

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