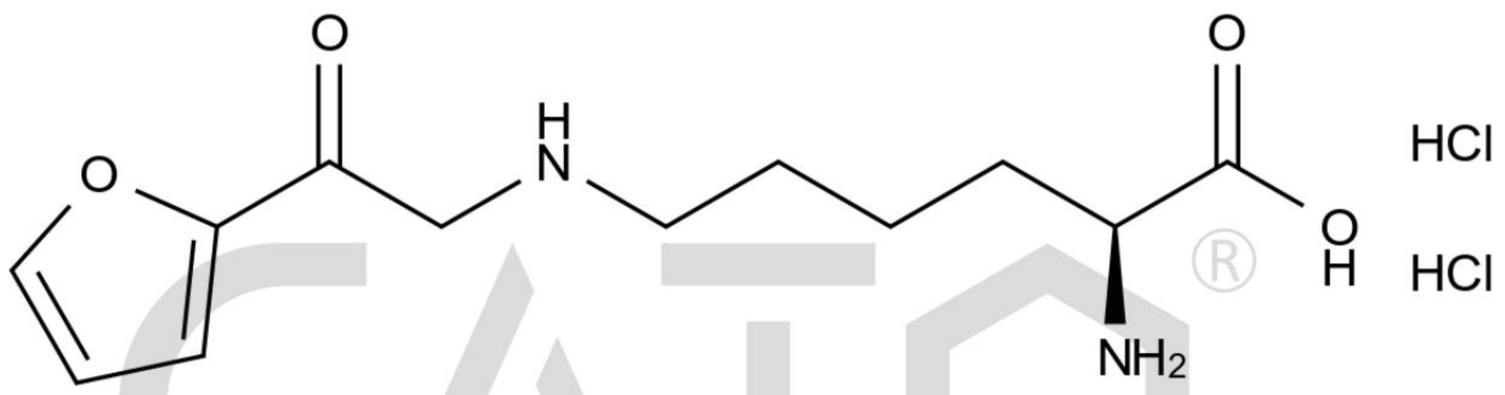
Certificate of Analysis

Reference Material & Standard

Product Name:	N6-[2-(2-Furanyl)-2-oxoethyl]-L-lysine Dihydrochloride	**Catalogue Number:**	CCFD201139
Synonyms:	N/A	**Lot Number:**	0828-RH-0094
CAS Number:	157974-36-2	**Expiry Date:**	Mar 09, 2028
Molecular Formula:	$C_{12}H_{18}N_2O_4$ 2*HCl	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	254.28 2*36.46	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	97.7%
Specific Rotation		[α]D25.0(c=0.70, H2O): +11.1°
Assay	qNMR	90.1%
Uncertainty		±1.8%

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Comment:

1. Chlorine content: 20.5%.
The compound contains 1.6% M+14 impurity (RT 15.94) according to its HPLC and LC-MS.
2. 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:

Prepared by: Lisa Date: Sep 01, 2026

Reviewed by: Hinlam Date: Sep 01, 2026

Approved by General Manager: David Date: Sep 01, 2026

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