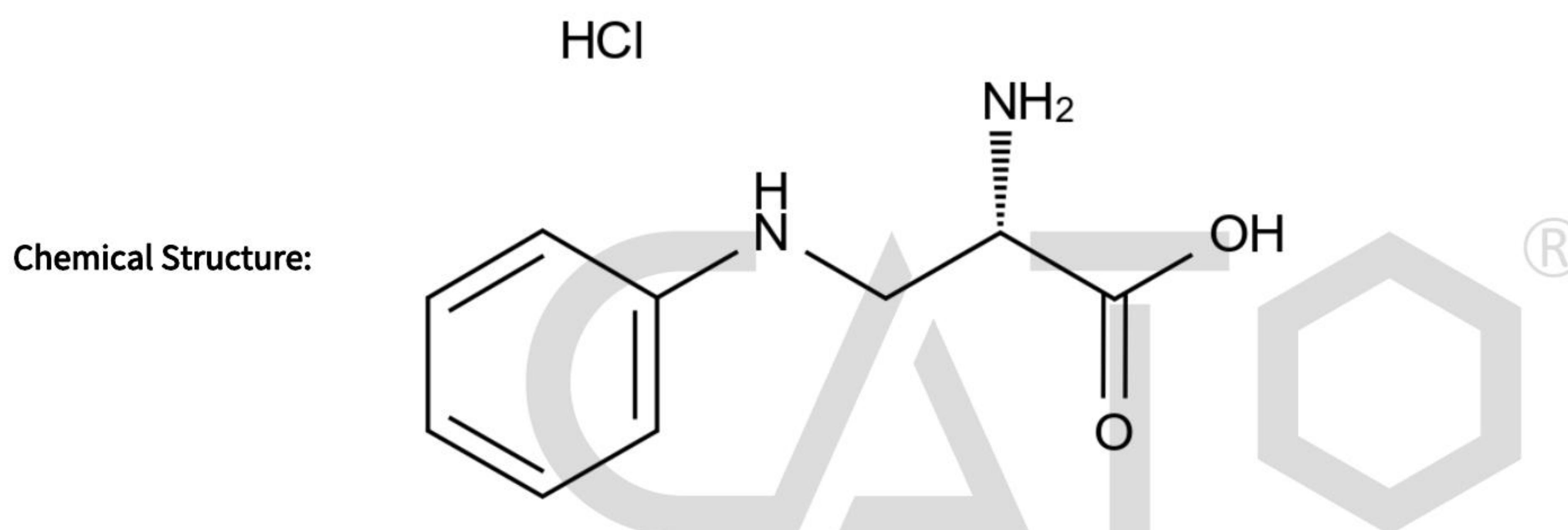


Certificate of Analysis

Reference Material & Standard

Product Name:	Tryptophan EP Impurity F HCl	Catalogue Number:	C4X-137328
Synonyms:	N-Acetyltryptophan EP Impurity F	Lot Number:	0520-RF-0098
CAS Number:	145545-23-9(free base)	Expiry Date:	May 20, 2027
Molecular Formula:	C ₉ H ₁₂ N ₂ O ₂ HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	180.20 36.46	Shipping Condition:	Shipping with Ice Packs



Test Items	Method	Results
Appearance	Visual inspection	Brown Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.1%
Assay	qNMR	90.0%

Signature:

Prepared by:

Lily

Reviewed by:

Yuki

Approved by General Manager:

David

Date: Nov 05, 2025

Date: Nov 05, 2025

Date: Nov 05, 2025



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