

Certificate of Analysis

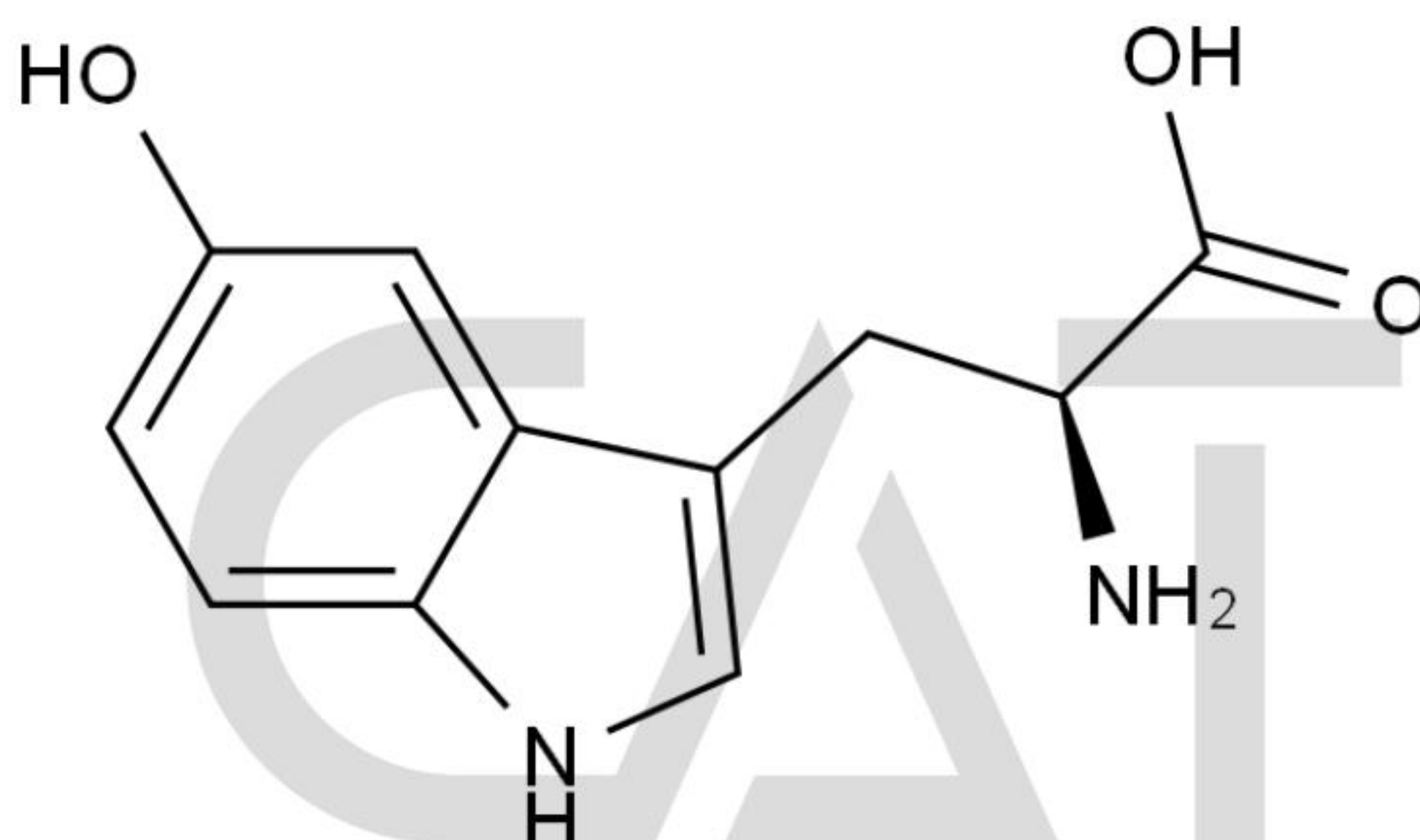
Reference Material & Standard

Product Name:	N-Acetyltryptophan EP Impurity D	Catalogue Number:	C4X-137324
Synonyms:	L-5-Hydroxytryptophan(Tryptophan EP Impurity D);Tryptophan EP Impurity D	Lot Number:	0617-RH-0028
CAS Number:	4350-09-8	Expiry Date:	Jun 23, 2030
Molecular Formula:	C ₁₁ H ₁₂ N ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	220.22	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.634%
Loss on Drying	TGA	6.3923%
Assay		93.3%

Comment:

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

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

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

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jun 24, 2026

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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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