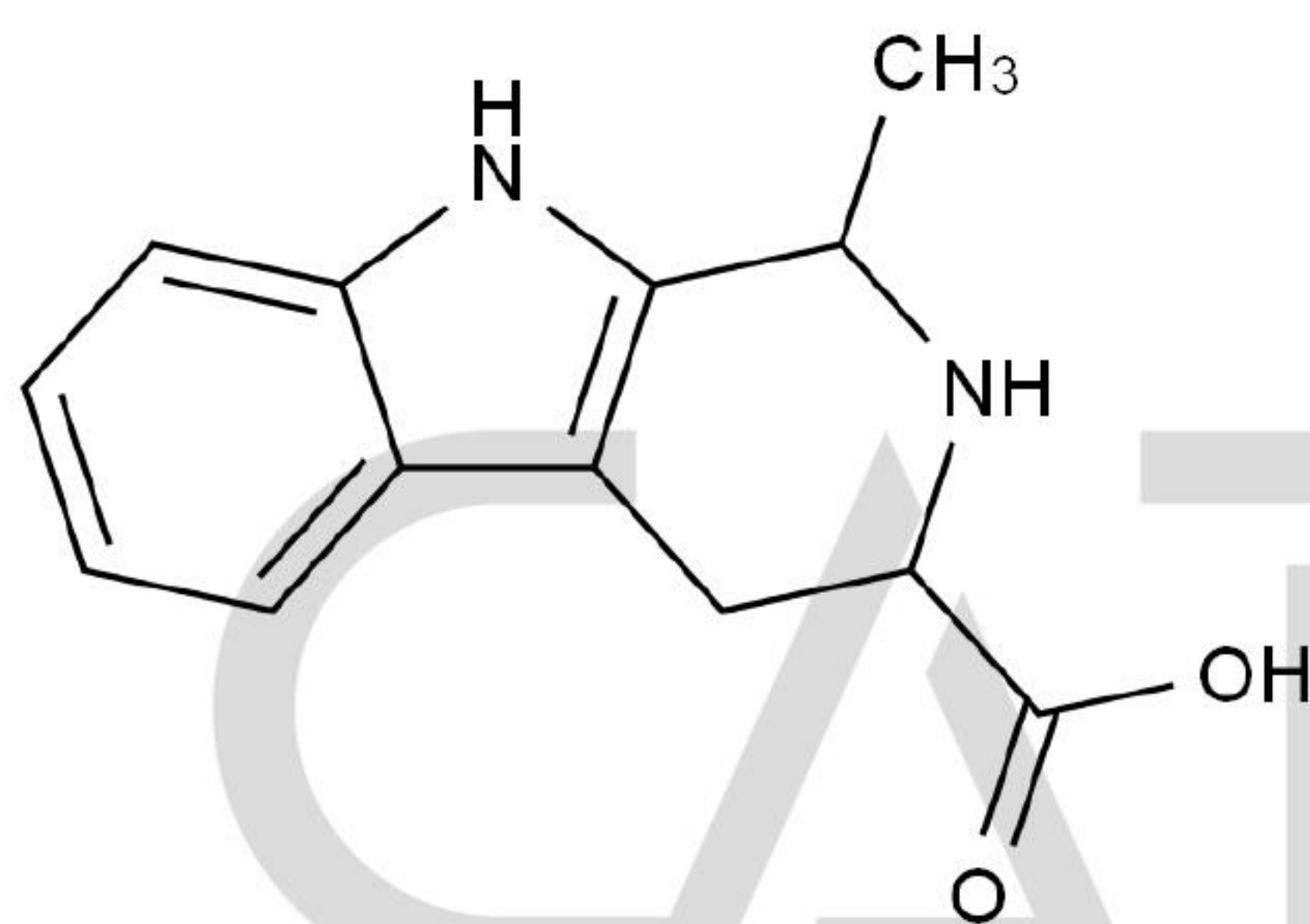


Certificate of Analysis

Reference Material & Standard

Product Name:	Tryptophan EP Impurity I	Catalogue Number:	C4X-137319
Synonyms:	N/A	Lot Number:	0625-RH-0052
CAS Number:	5470-37-1	Expiry Date:	Jun 28, 2030
Molecular Formula:	C ₁₃ H ₁₄ N ₂ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	230.26	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.231%
Loss on Drying	TGA	4.8427%
Assay		90.6%

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 29, 2026

Date: Jun 29, 2026

Date: Jun 29, 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>

