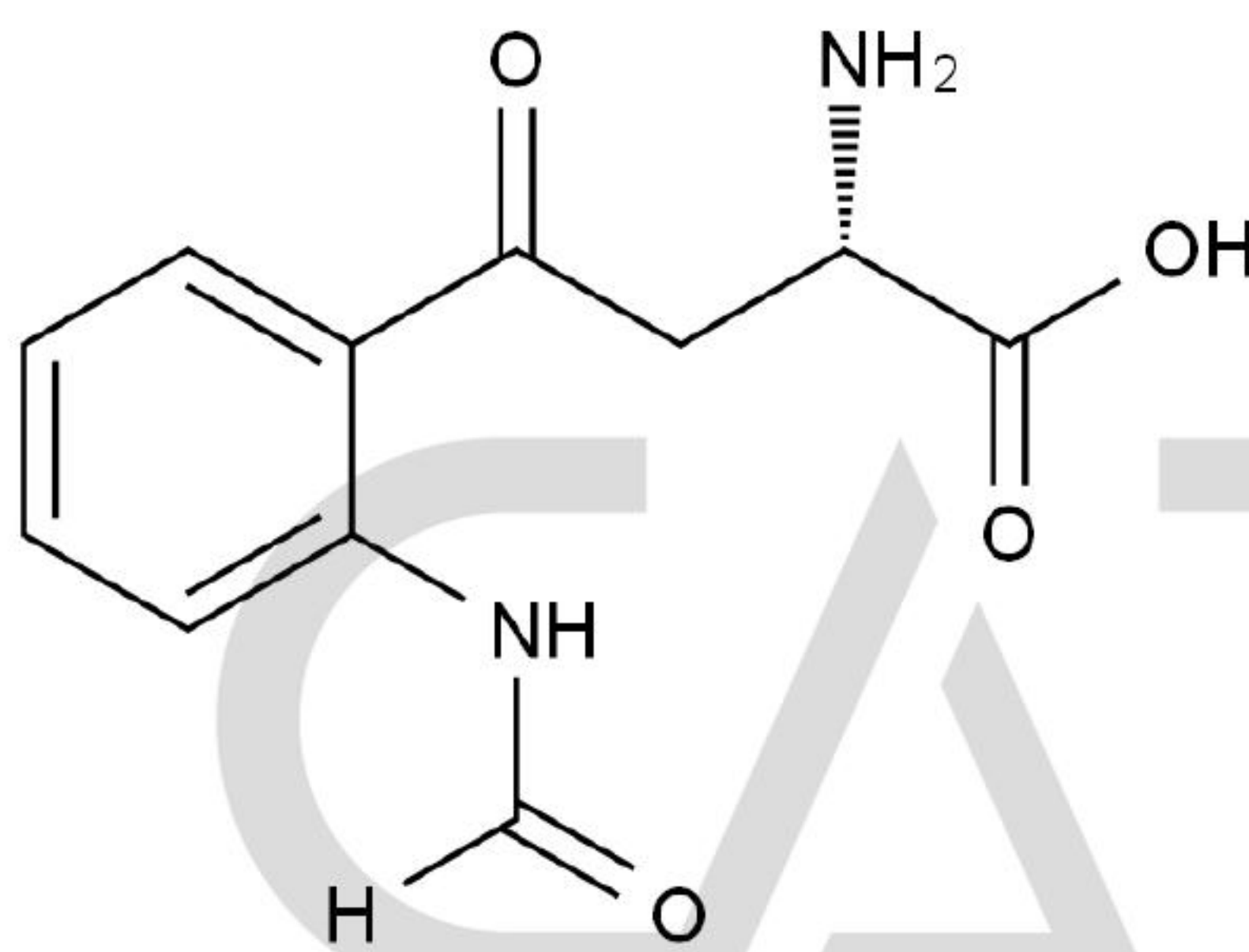


Certificate of Analysis

Reference Material & Standard

Product Name:	Tryptophan EP Impurity E	Catalogue Number:	C4X-13735
Synonyms:	N-Formylkynurenine	Lot Number:	0806-RH-0035
CAS Number:	3978-11-8	Expiry Date:	Aug 06, 2030
Molecular Formula:	C ₁₁ H ₁₂ N ₂ O ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	236.22	Shipping Condition:	Shipping with Ice Packs
Solubility:	Water		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	97.431%
Loss on Drying	TGA	2.2693%
Assay		95.2%

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: Aug 13, 2026

Date: Aug 13, 2026

Date: Aug 13, 2026



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