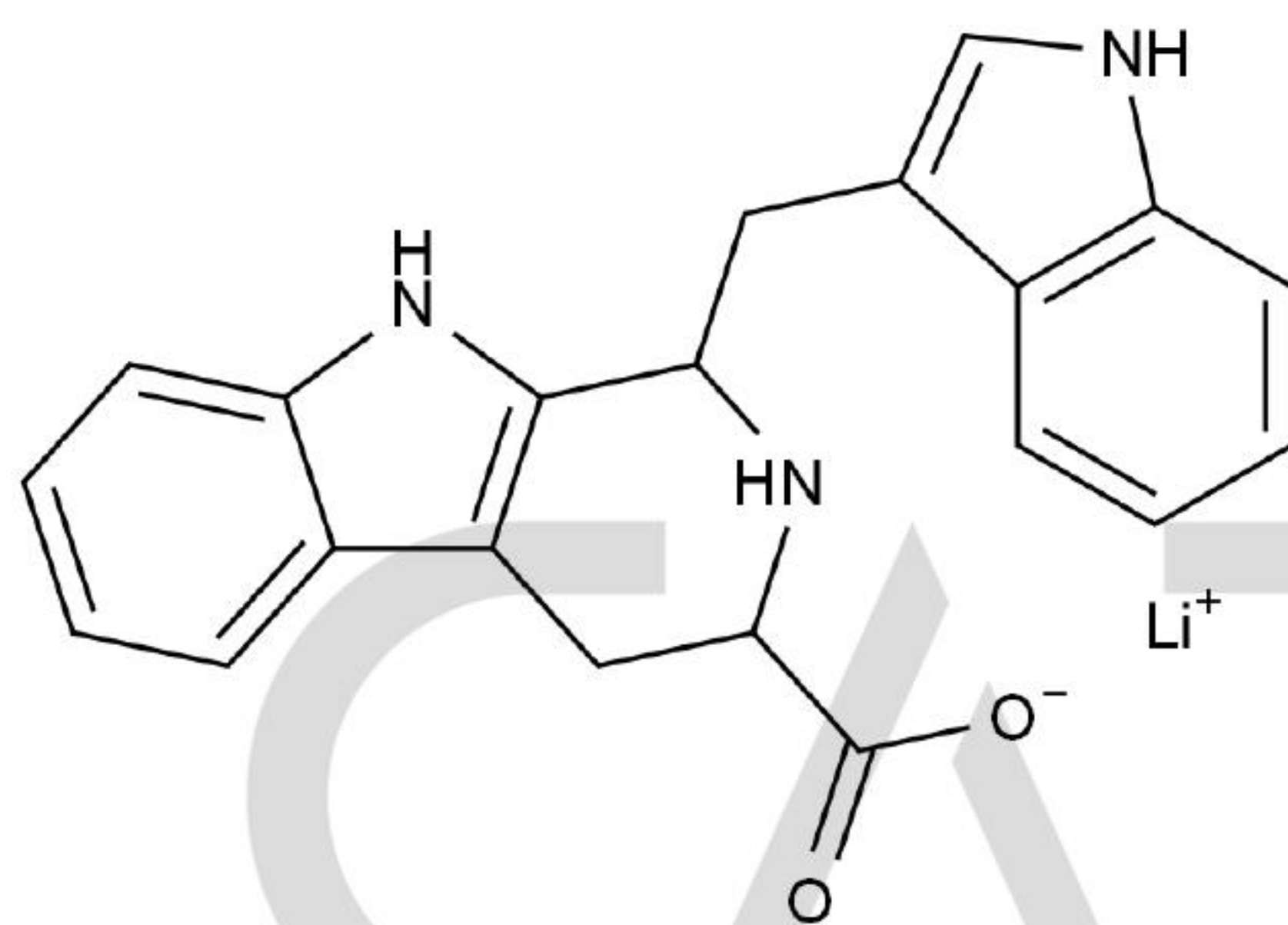


Certificate of Analysis

Reference Material

Product Name:	Tryptophan EP Impurity L Lithium Salt (Mixture of Diastereomers)	Catalogue Number:	C4X-137325
Chemical Name:	N-Acetyltryptophan EP Impurity L Lithium Salt	Lot Number:	1201-RD-0039
CAS Number:	287170-99-4 (Free Acid)	Expiry Date:	Mar 21, 2024
Molecular Formula:	C ₂₁ H ₁₈ N ₃ O ₂ Li	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	344.39 6.94		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.561%
Water Content	Karl Fischer	2.7%
Assay		95.9%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity HPLC (%) / 100%

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nacy

Reviewed by:

Xenia

Aproved by General manager:

David

Date: Mar 22, 2021

Date: Dec 15, 2022

Date: Dec 15, 2022

