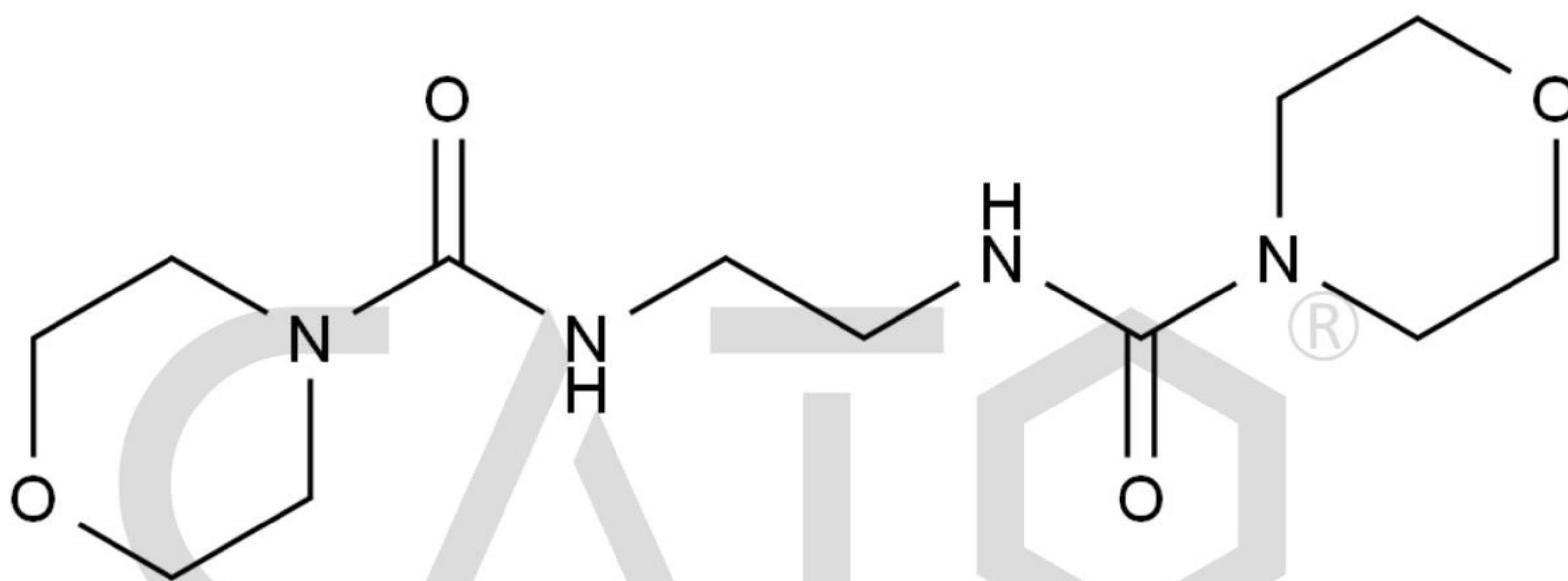


Certificate of Analysis

Reference Material & Standard

Product Name:	Landiolol Impurity 11	Catalogue Number:	C4X-262111
Synonyms:	N/A	Lot Number:	0226-RH-0075
CAS Number:	4432-25-1	Expiry Date:	Mar 05, 2030
Molecular Formula:	C ₁₂ H ₂₂ N ₄ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	286.33	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.117%
Loss On Drying	TGA	4.8938%
Assay		94.3%

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:

Lisa

Approved by General Manager:

David

Date: Mar 06, 2026

Date: Mar 06, 2026

Date: Mar 06, 2026



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