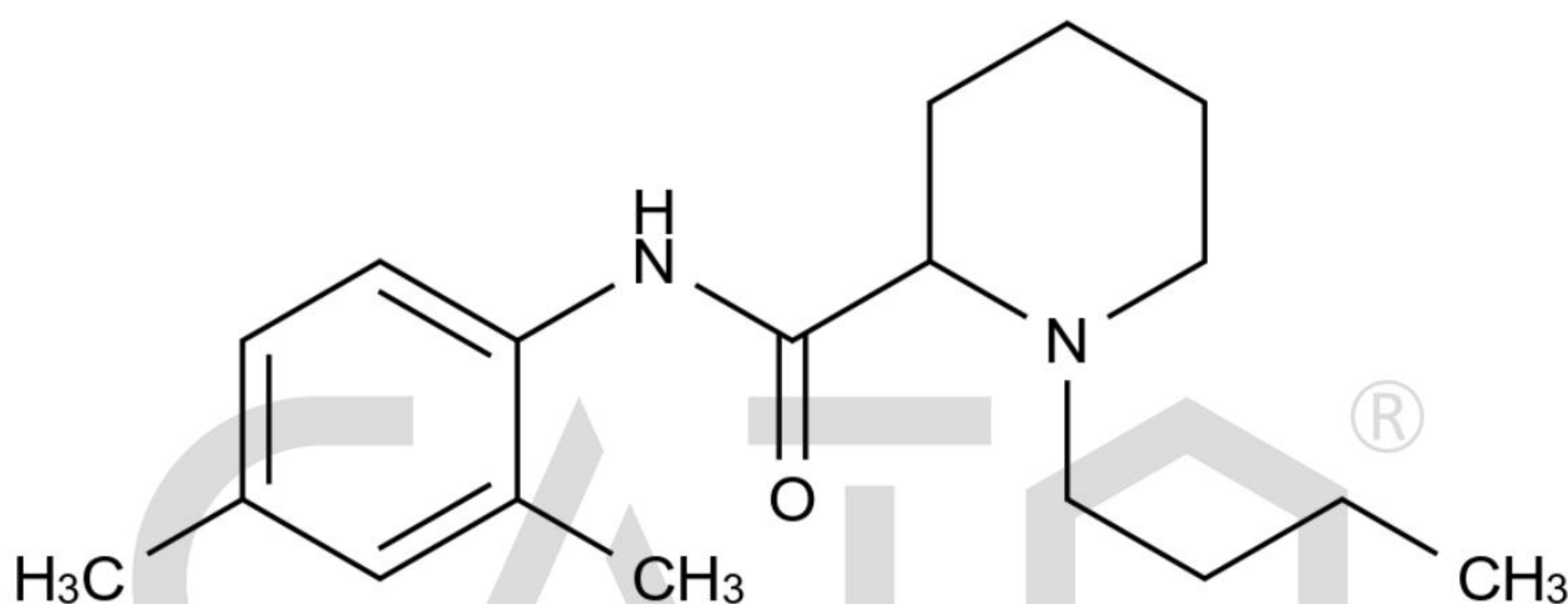


Certificate of Analysis

Reference Material & Standard

Product Name:	Bupivacaine Impurity 29	Catalogue Number:	C4X-148229
Synonyms:	N/A	Lot Number:	0117-RG-0036
CAS Number:	2774312-11-5	Expiry Date:	May 15, 2028
Molecular Formula:	C ₁₈ H ₂₈ N ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	288.43		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	99.100%
Loss On Drying	TGA	0.0576%
Assay		99.0%

Comment:

The calculation of the 100% 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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: May 16, 2025

Date: May 16, 2025

Date: May 16, 2025

