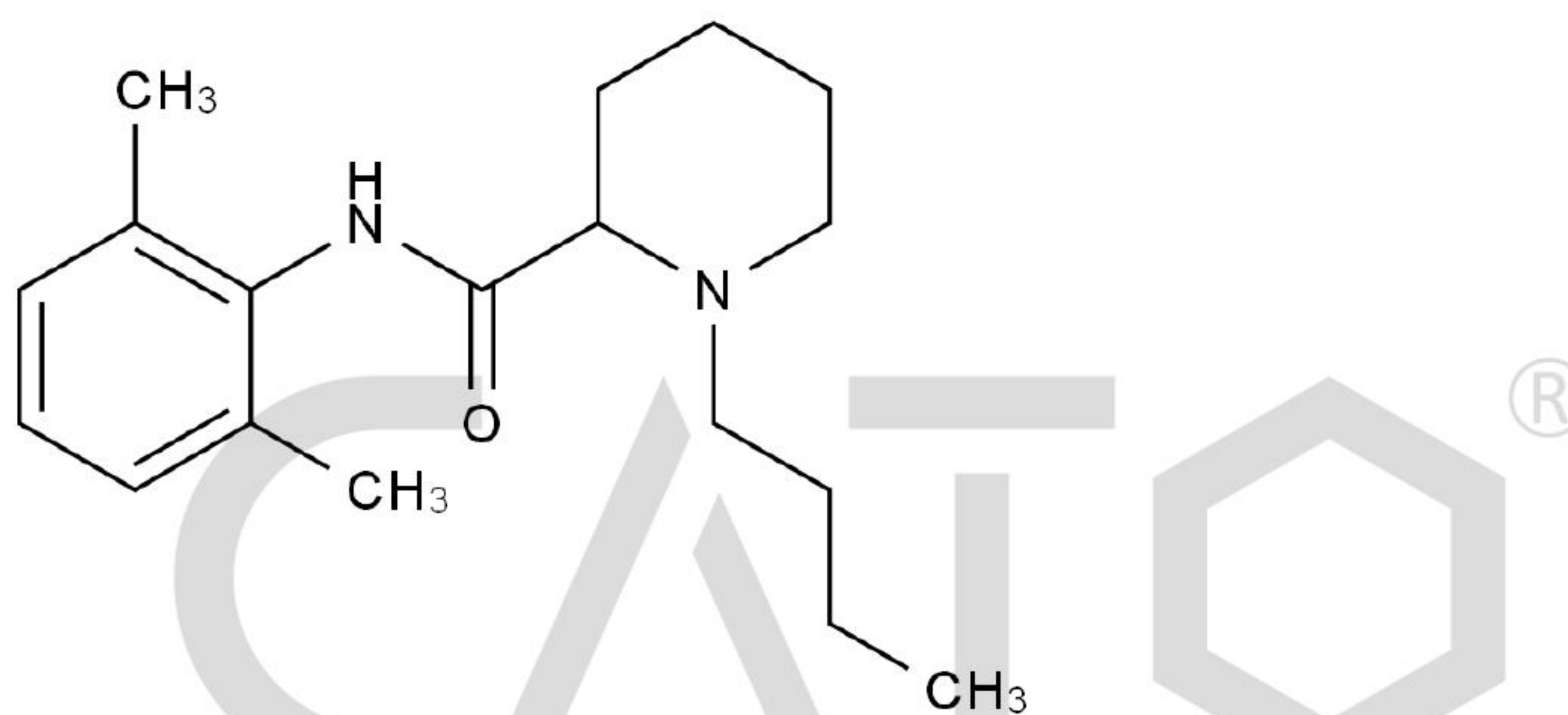


Certificate of Analysis

Reference Material & Standard

Product Name:	Bupivacaine	Catalogue Number:	C4X-148216
Synonyms:	N/A	Lot Number:	0112-RF-0057
CAS Number:	38396-39-3	Expiry Date:	Jan 15, 2030
Molecular Formula:	C ₁₈ H ₂₈ N ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	288.43	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.695%
Residue on Ignition	Muffle Furnace	0.48%
Loss On Drying	TGA	0.0749%
Assay		99.1%

Comment:

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

Assay (%) = (100% - Residue on Ignition - Loss On Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jan 16, 2026

Date: Jan 16, 2026

Date: Jan 16, 2026



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