

Certificate of Analysis

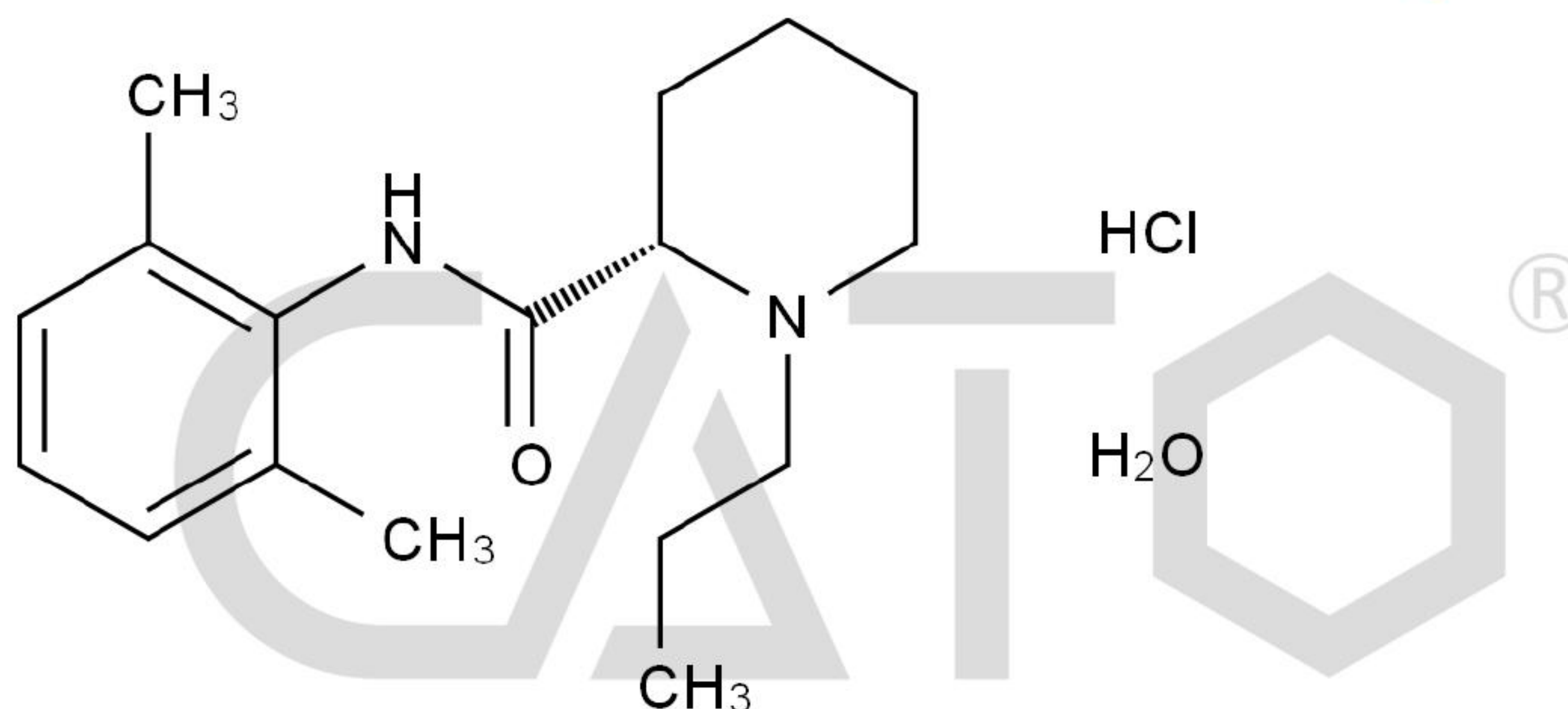
Reference Material & Standard

Product Name:	Ropivacaine Hydrochloride Monohydrate	Catalogue Number:	C4X-1753
Synonyms:	N/A	Lot Number:	0817-RH-0002
CAS Number:	132112-35-7	Expiry Date:	Aug 17, 2030
Molecular Formula:	C ₁₇ H ₂₆ N ₂ O HCl H ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	274.40 36.46 18.02	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.934%
Water Content	Karl Fischer	5.6345%
Water Content(Free Water)		0.1553%
Residue on Ignition	TGA	0.05%
Assay		99.7%

Comment:

- The content of crystal water is 5.4792%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content(Free Water)} - \text{Residue on Ignition}) * \text{Purity HPLC (\%)} / 100\%$$
 Water Content(Free Water) and Residue on Ignition 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: Aug 17, 2026

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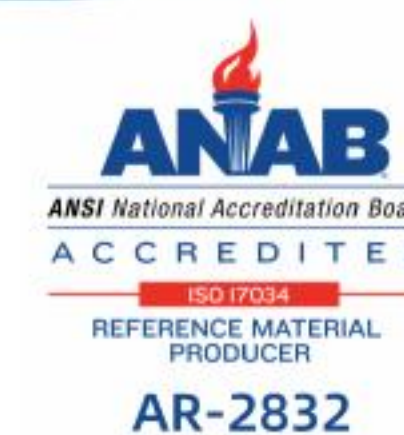
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