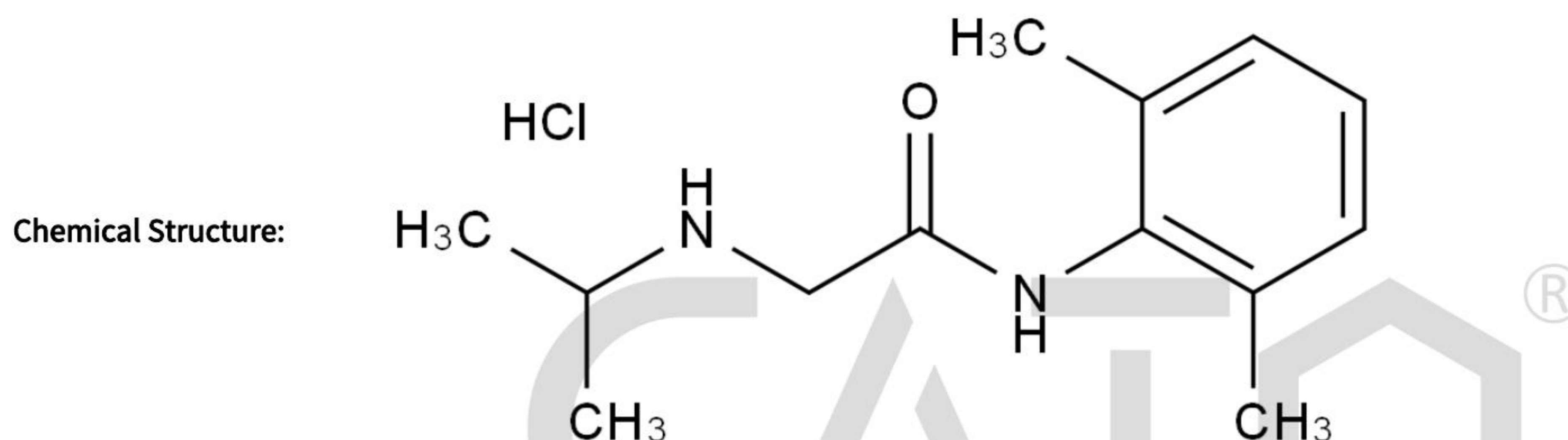


Certificate of Analysis

Reference Material & Standard

Product Name:	Lidocaine EP Impurity G(HCl)	Catalogue Number:	C4X-16797
Synonyms:	N-(2,6-dimethylphenyl)-2-(propan-2-ylamino)acetamide hydrochloride	Lot Number:	0919-RG-0041
CAS Number:	35891-87-3	Expiry Date:	Oct 13, 2029
Molecular Formula:	C ₁₃ H ₂₀ N ₂ O HCl	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	220.31 36.46	Shipping Condition:	Shipping at room temperature
Solubility:	Soluble in Acetonitrile and DMSO		



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	98.534%
Residue on Ignition	TGA	0.5635%
Loss On Drying	TGA	0.5851%
Assay	qNMR	97.5%
Assay	Mass Balance	97.4%

Comment:

- The retest date of this product is Oct 13, 2028.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
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:

Alice

Approved by General Manager:

David

Date: Oct 14, 2025

Date: Oct 15, 2025

Date: Oct 15, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

