

Certificate of Analysis

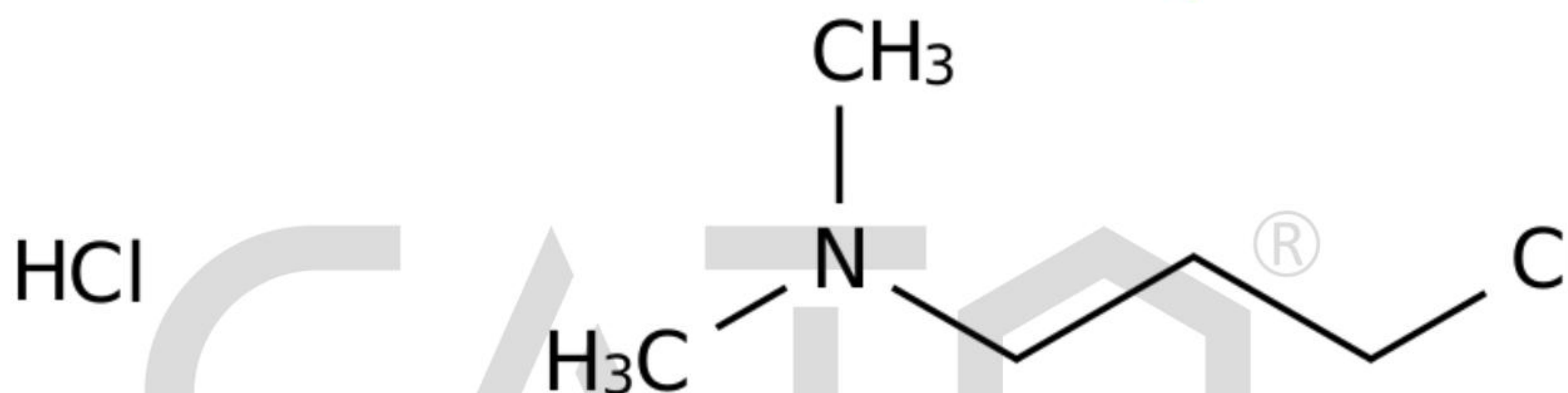
Reference Material & Standard

Product Name:	3-(Dimethylamino)propyl Chloride Hydrochloride	Catalogue Number:	CCHM704157
Synonyms:	N/A	Lot Number:	1028-RC-0107
CAS Number:	5407-04-5	Expiry Date:	Nov 07, 2025
Molecular Formula:	C ₅ H ₁₂ ClN HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	121.61 36.46		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Water Content	Karl Fischer	2.7384%
Assay	qNMR	99.6%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Debia

Reviewed by:

Cady

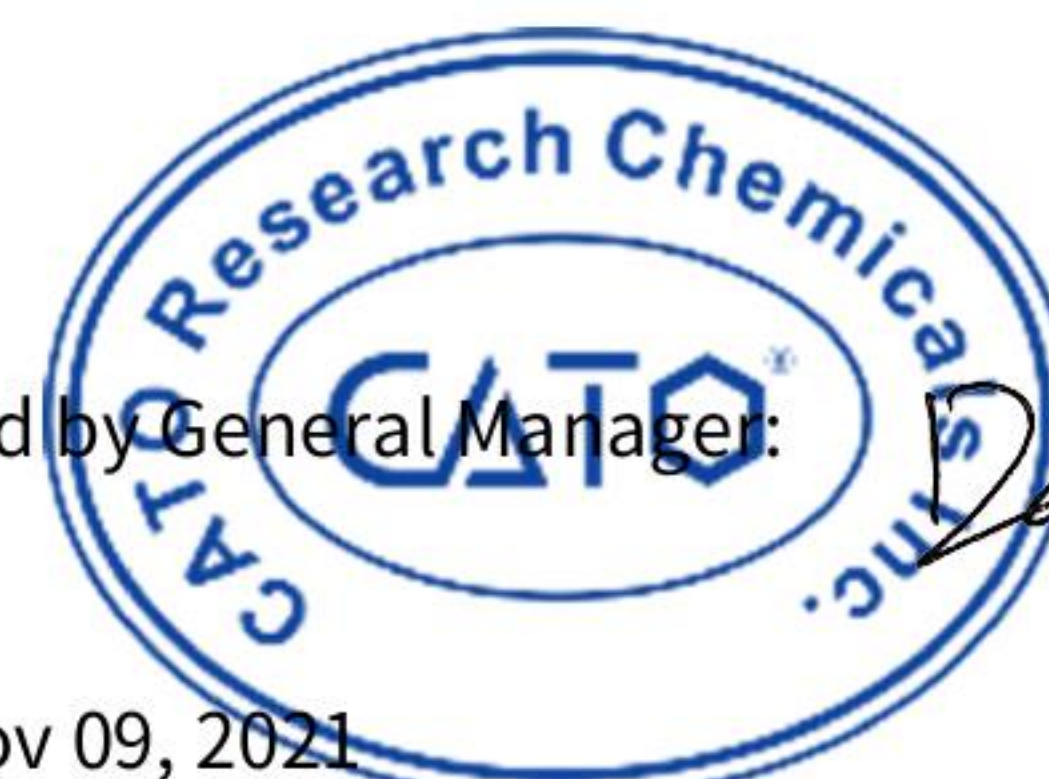
Approved by General Manager:

David

Date: Nov 08, 2021

Date: Nov 09, 2021

Date: Nov 09, 2021



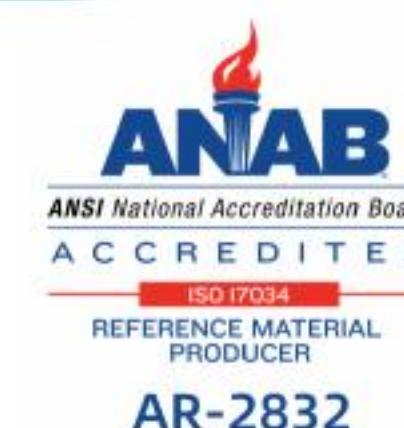
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

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

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