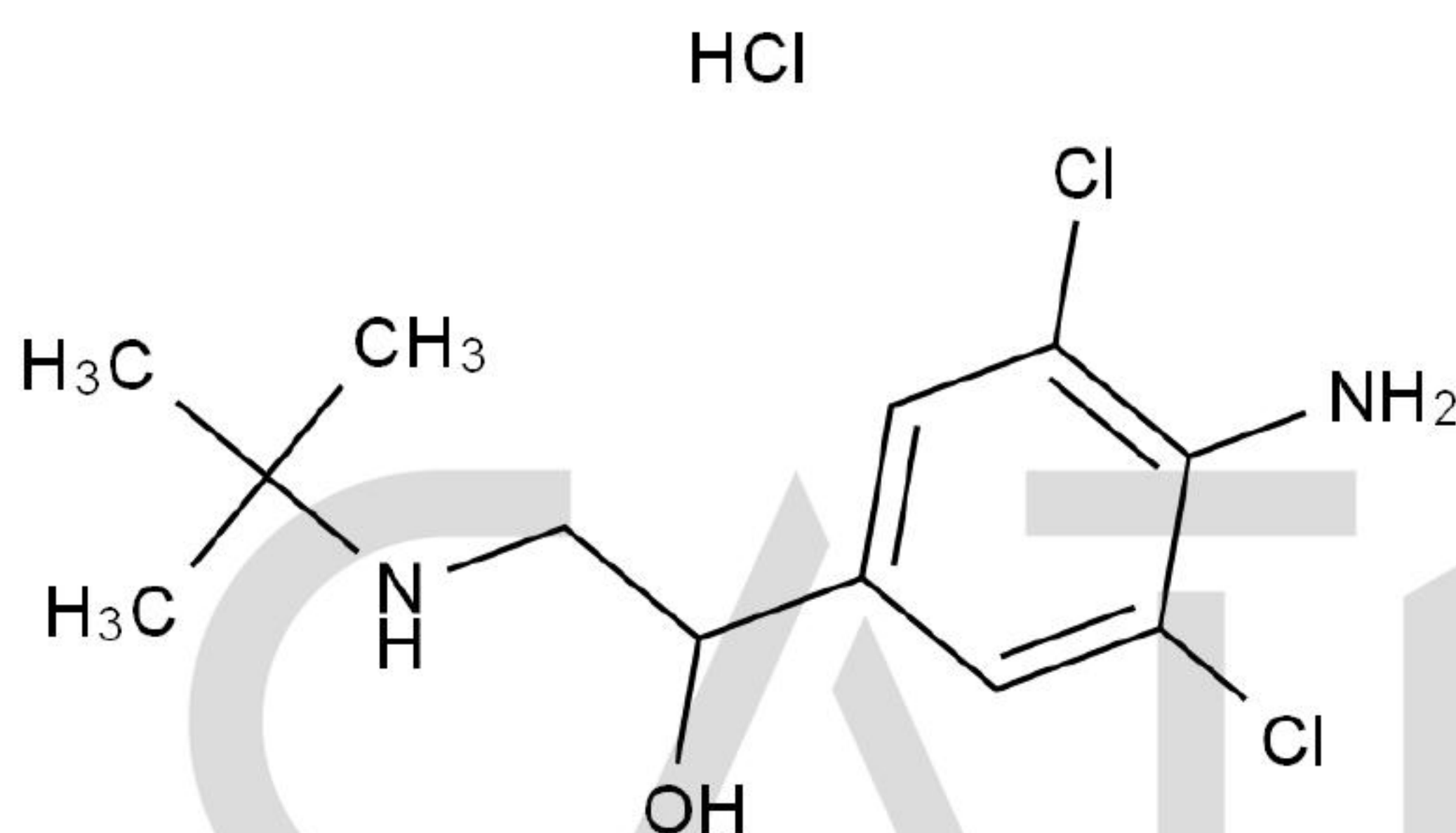


Certificate of Analysis

Reference Material & Standard

Product Name:	Clenbuterol Hydrochloride	Catalogue Number:	CCAD300143
Synonyms:	N/A	Lot Number:	1108-RD-0027
CAS Number:	21898-19-1	Expiry Date:	Nov 16, 2029
Molecular Formula:	C ₁₂ H ₁₈ Cl ₂ N ₂ O HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	277.19 36.46	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.9%
Assay	qNMR	99.8%
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:

Xenia

Approved by General Manager:

David

Date: Nov 17, 2022

Date: Nov 17, 2022

Date: Nov 17, 2022

