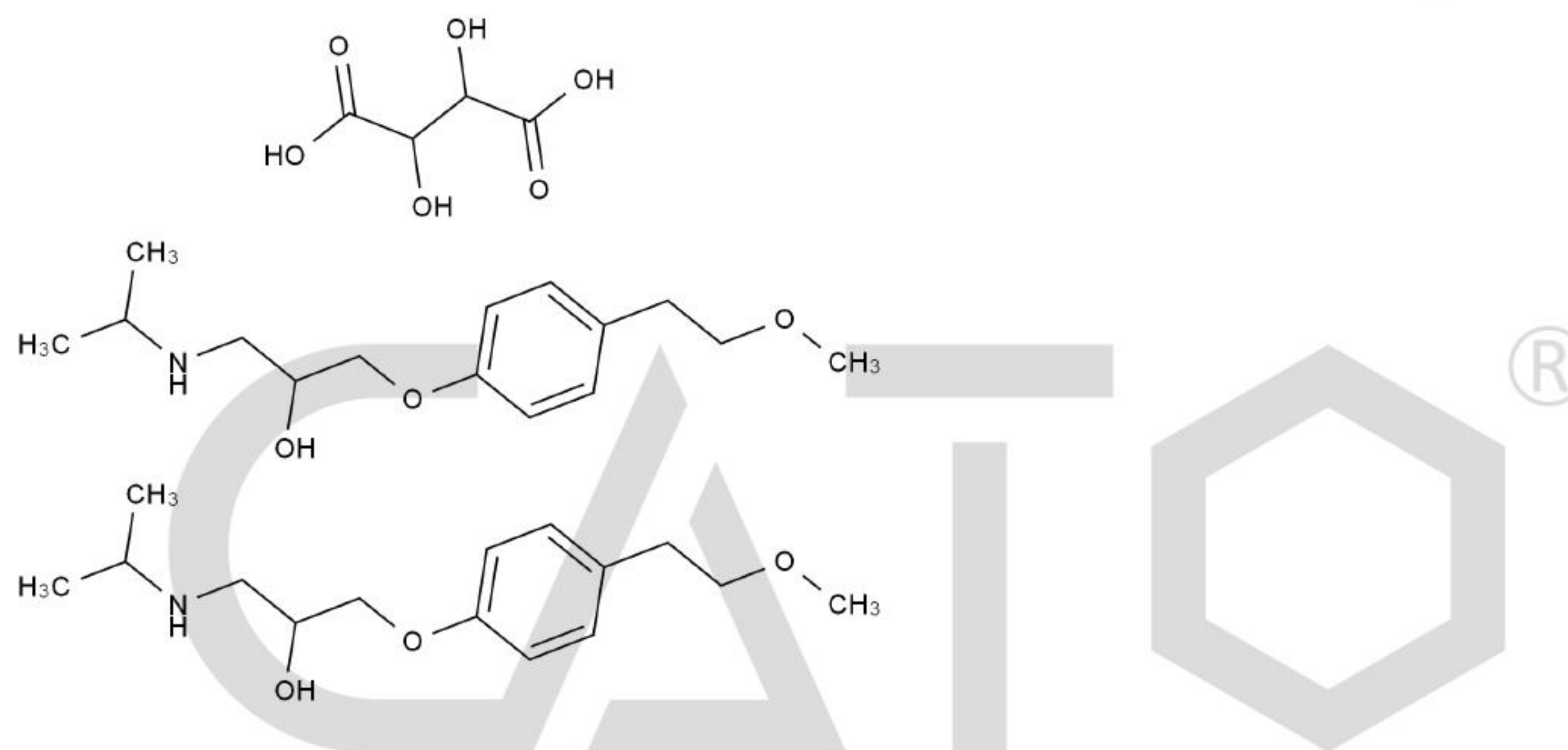


Certificate of Analysis

Reference Material & Standard

Product Name:	Metoprolol Tartrate	Catalogue Number:	CCAD300309
Synonyms:	N/A	Lot Number:	0714-RG-0146
CAS Number:	56392-17-7	Expiry Date:	Jul 15, 2029
Molecular Formula:	2*C15H25NO3 C4H6O6	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	2*267.36 150.09	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.2%
Assay	qNMR	98.9%
Uncertainty		±0.2%

Comment:

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:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 16, 2025

Date: Jul 16, 2025

Date: Jul 16, 2025

