

Certificate of Analysis

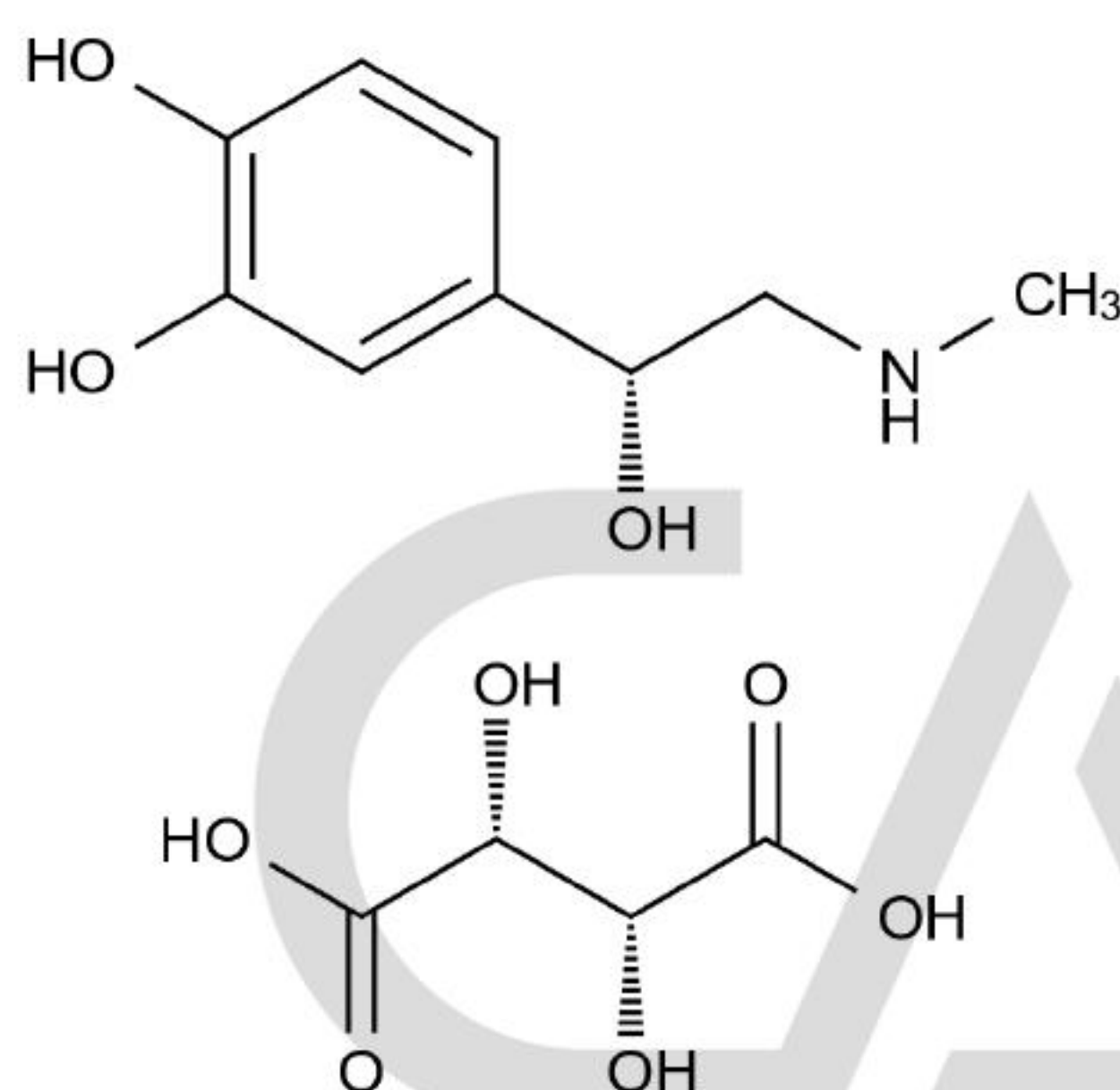
Reference Material & Standard

Product Name:	Epinephrine bitartrate	Catalogue Number:	CCAD303516
Synonyms:	N/A	Lot Number:	0522-RE-0082
CAS Number:	51-42-3	Expiry Date:	May 28, 2026
Molecular Formula:	C ₉ H ₁₃ NO ₃ C ₄ H ₆ O ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	183.20 150.09		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.0%
Assay	qNMR	98.2%
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:

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Reviewed by:

Lisa

Approved by General Manager:

David

Date: May 29, 2023

Date: May 30, 2023

Date: May 30, 2023



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