

Certificate of Analysis

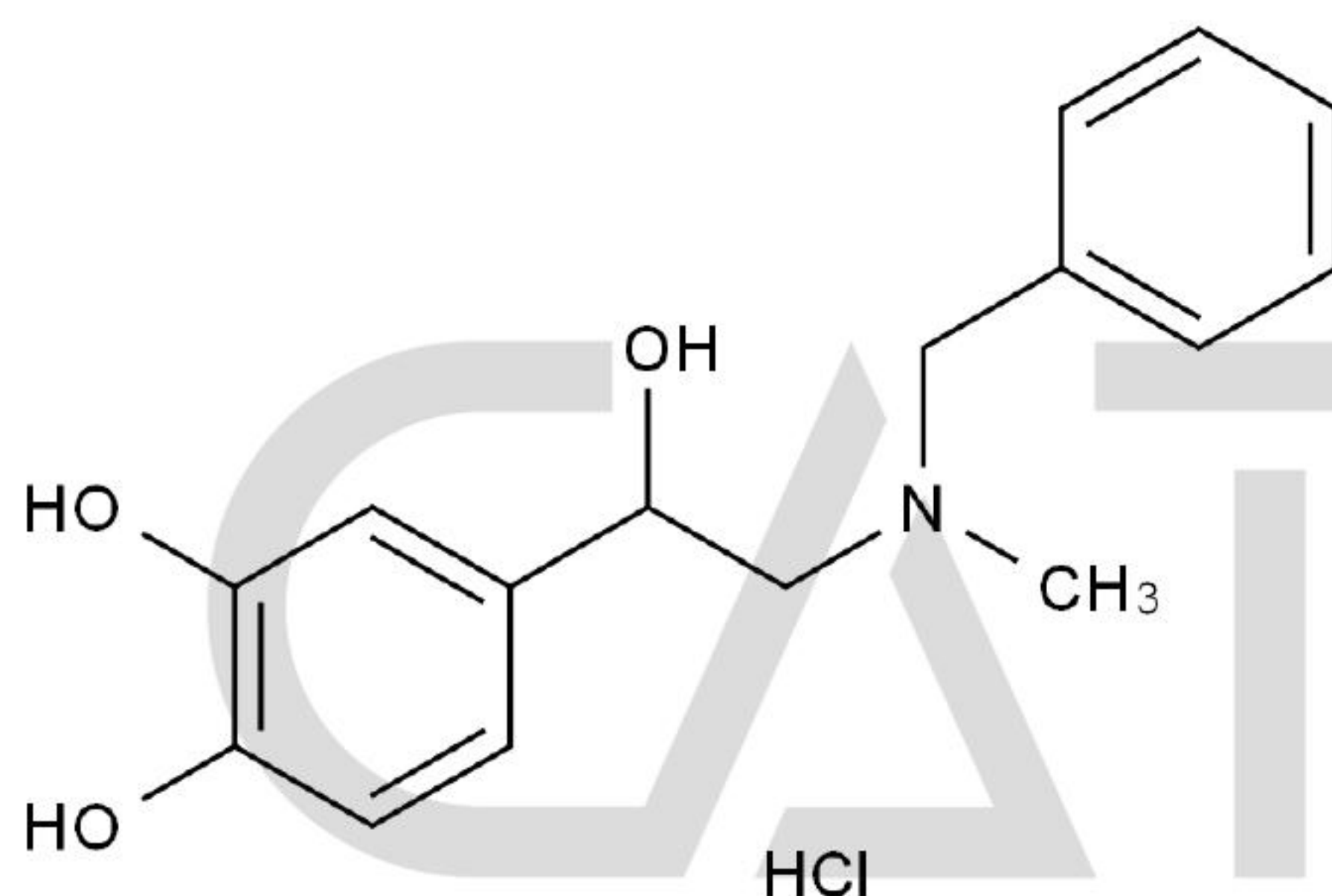
Reference Material & Standard

Product Name:	rac-Adrenaline EP Impurity D	Catalogue Number:	C4X-18494
Synonyms:	N/A	Lot Number:	0903-RC-0014
CAS Number:	N/A	Expiry Date:	Jun 14, 2023
Molecular Formula:	C ₁₆ H ₁₉ NO ₃ HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	273.33 36.46	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.6324%
Water Content	Karl Fischer	4.9%
Residual Solvents	NMR	Not detected in NMR
Assay		94.8%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hinlam

Reviewed by:

Cady

Approved by General Manager:

David

Date: Sep 03, 2021

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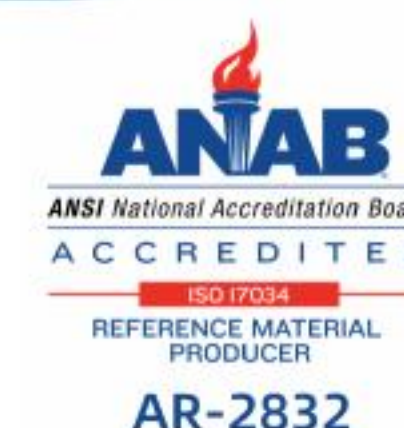
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