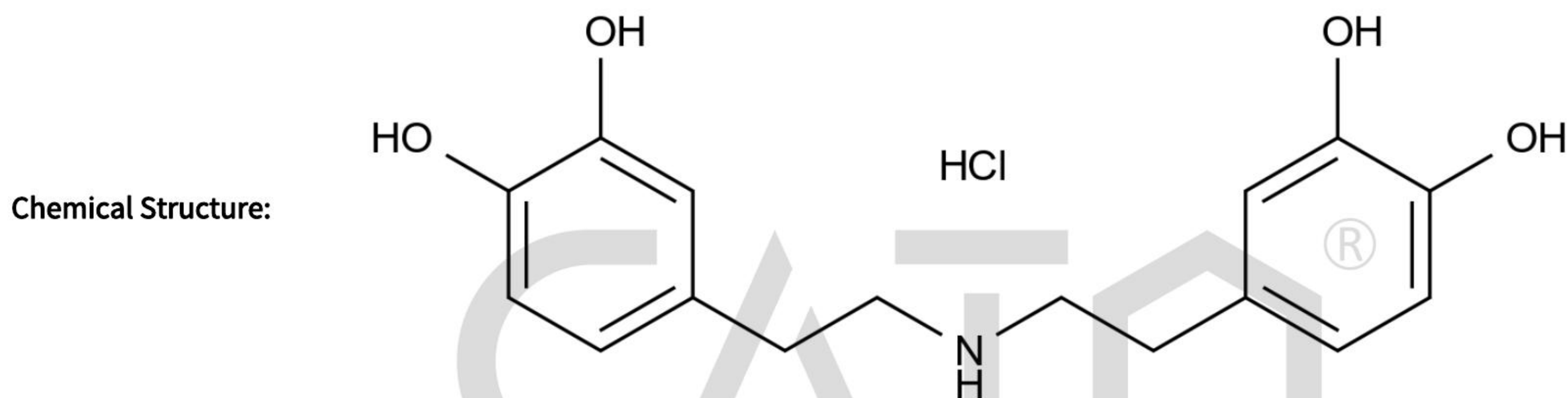


Certificate of Analysis

Reference Material & Standard

Product Name:	Dopamine Impurity 19	Catalogue Number:	C4X-190819
Synonyms:	N/A	Lot Number:	1206-RD-0063
CAS Number:	16240-59-8(free base)	Expiry Date:	Dec 01, 2025
Molecular Formula:	C ₁₆ H ₁₉ NO ₄ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	289.33 36.46		



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.607%
Loss on Drying	TGA	4.3999%
Assay		93.3%

Comment:

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

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hin Lam

Reviewed by:

Nacy

Approved by General Manager:

David

Date: Mar 13, 2023

Date: Mar 15, 2023

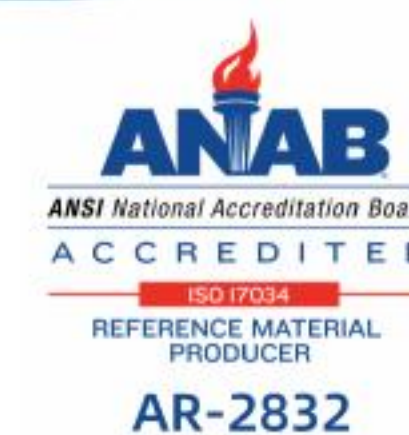
Date: Mar 15, 2023

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