

Certificate of Analysis

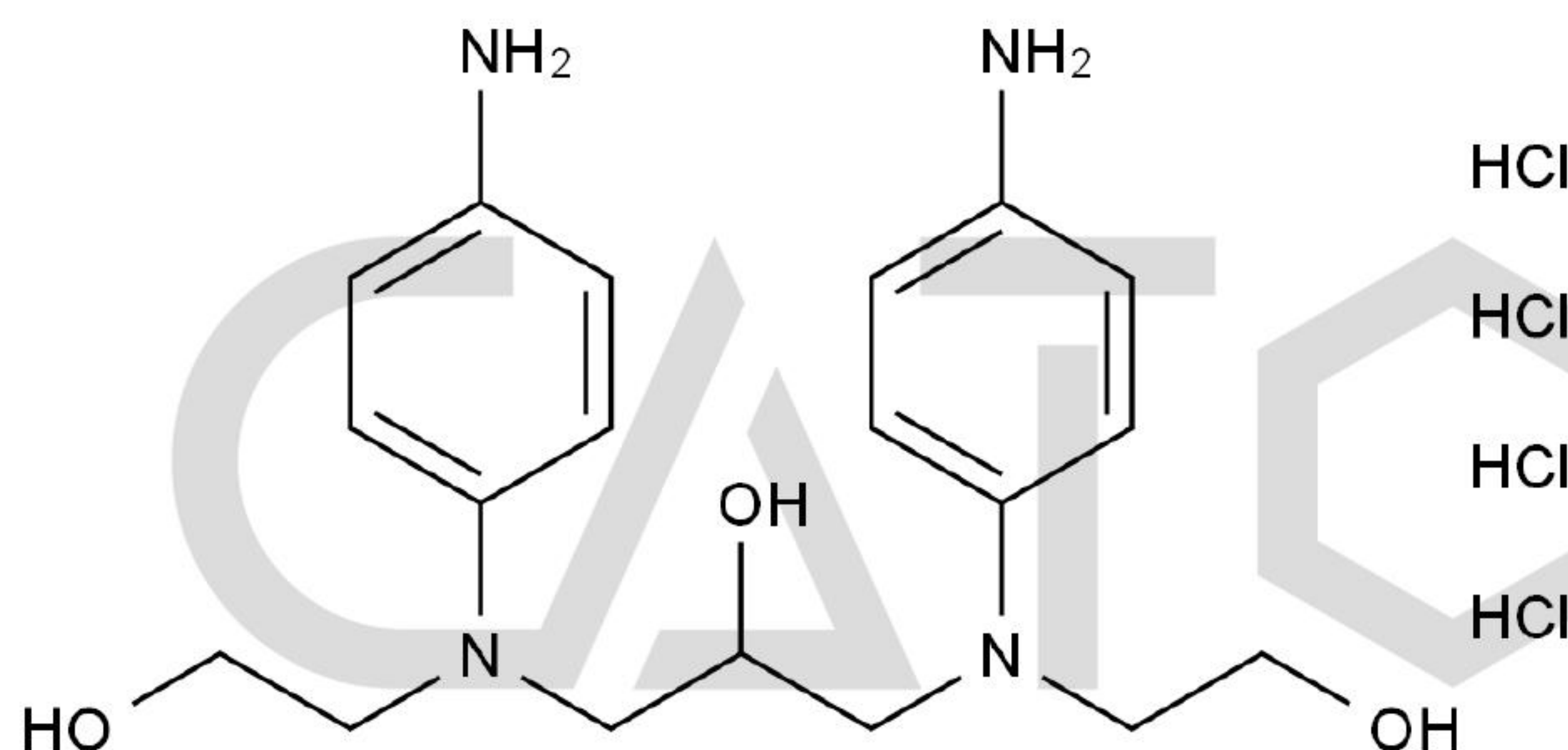
Reference Material & Standard

Product Name:	Hydroxypropyl Bis (N-Hydroxyethyl-p-phenylenediamine Hydrochloride)	Catalogue Number:	CCHM703514
Synonyms:	N/A	Lot Number:	0930-RG-0015
CAS Number:	128729-28-2	Expiry Date:	Sep 28, 2029
Molecular Formula:	C ₁₉ H ₂₈ N ₄ O ₃ 4*HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	360.45 4*36.46	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Purple Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.5%
Assay	qNMR	91.9%
Uncertainty		±1.5%

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:

Lisa

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Oct 09, 2025

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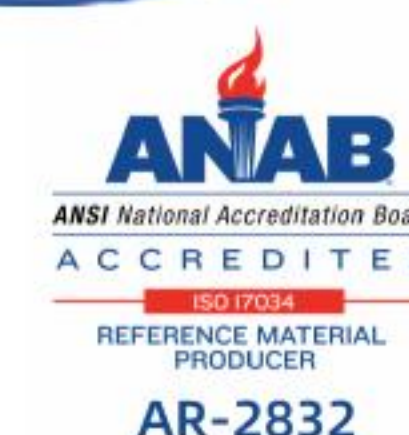
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

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