

Certificate of Analysis

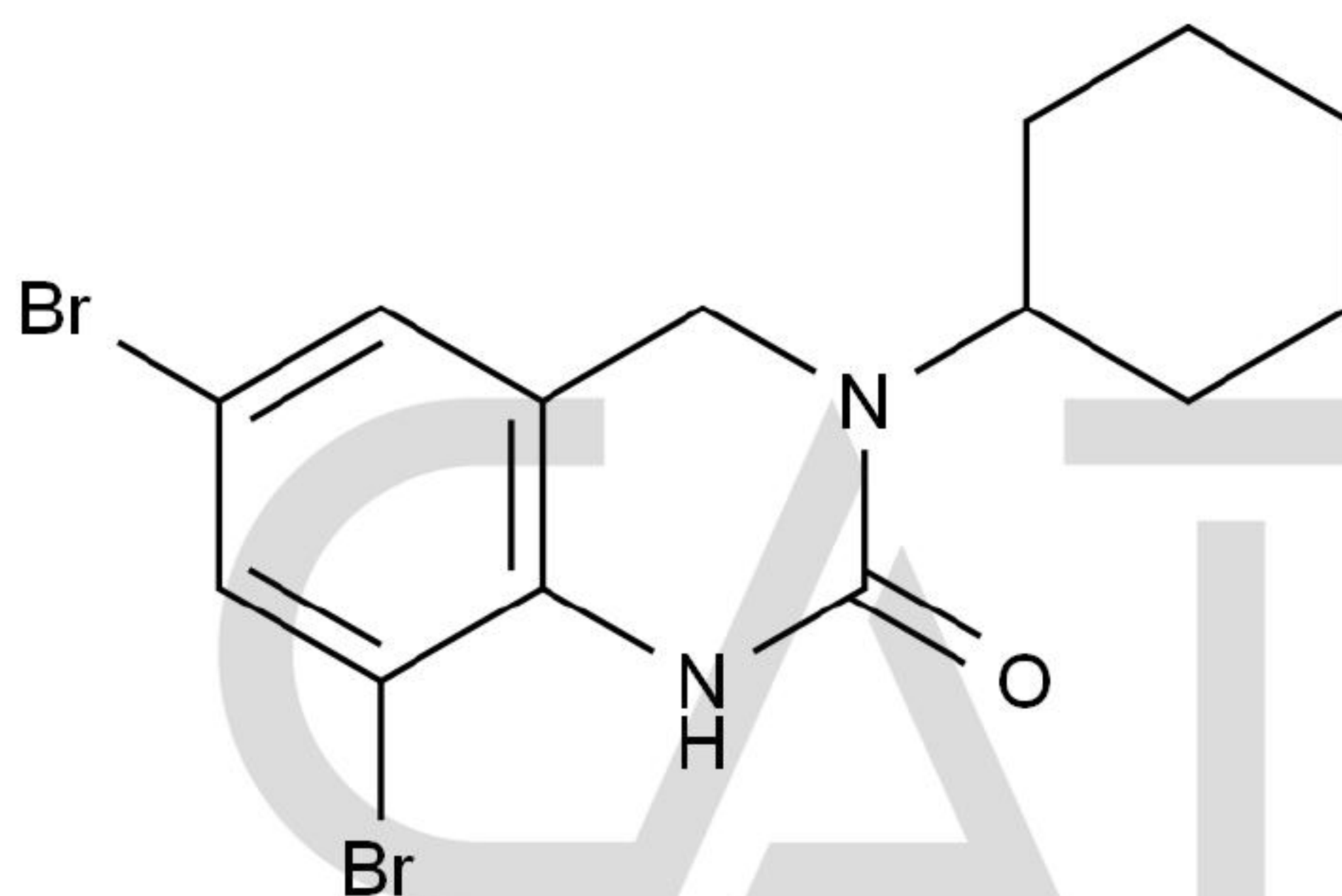
Reference Material & Standard

Product Name:	Bromhexine Impurity 11	Catalogue Number:	C4X-106011
Synonyms:	N/A	Lot Number:	0928-RG-0030
CAS Number:	21237-84-3	Expiry Date:	Apr 18, 2028
Molecular Formula:	C ₁₄ H ₁₆ Br ₂ N ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	388.10		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	99.954%
Water Content	Karl Fischer	0.06%
Residual Solvents	NMR	Not detected in NMR
Assay		99.9%

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:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Sep 28, 2025

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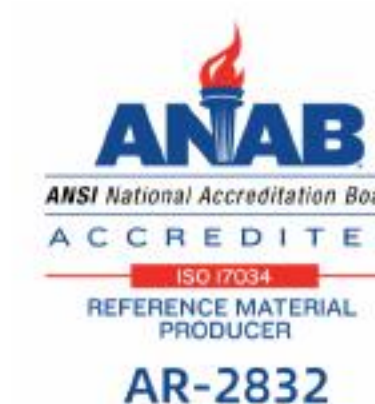
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Page 1 of 6



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