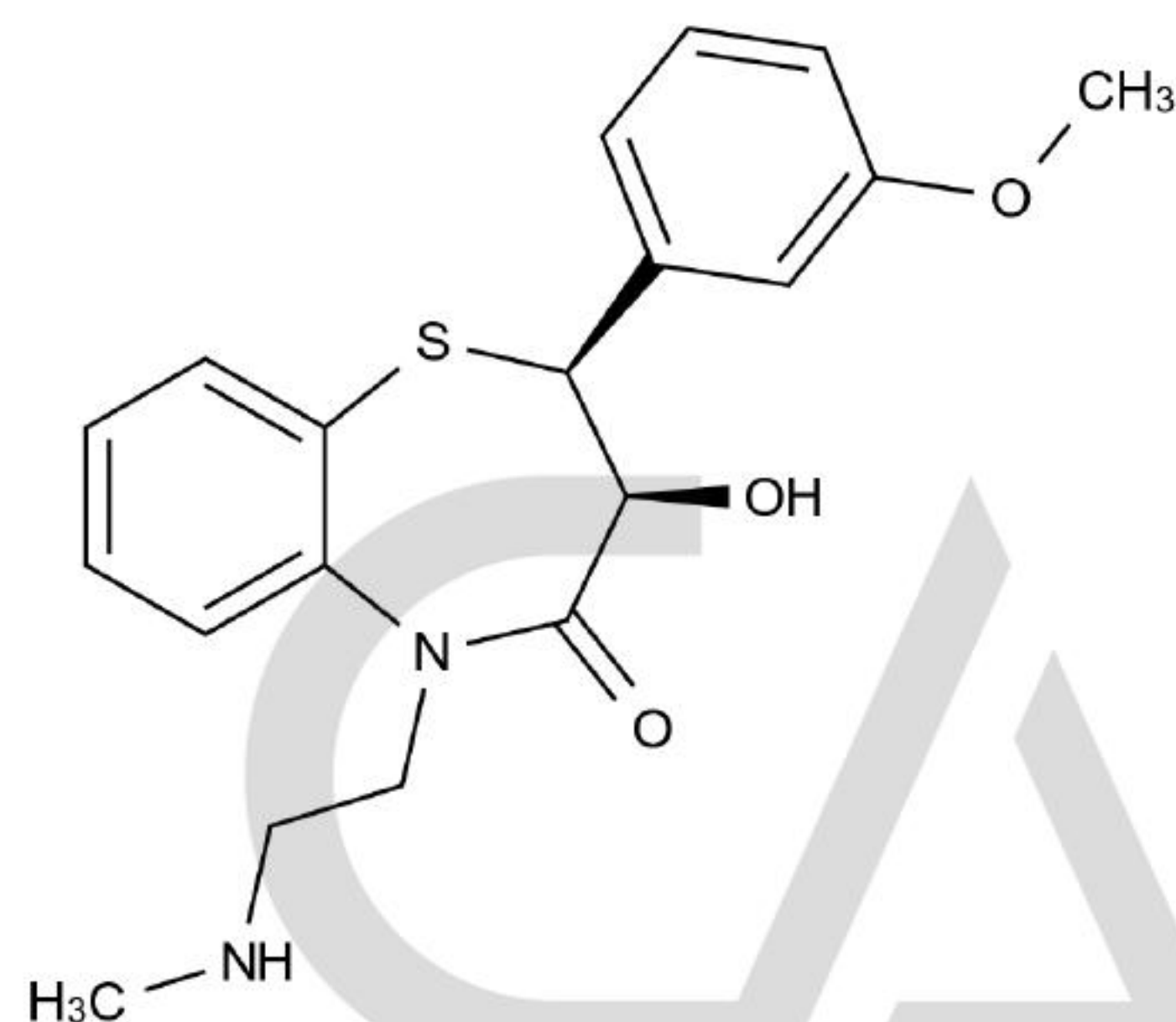


Certificate of Analysis

Reference Material & Standard

Product Name:	Diltiazem Impurity 24	Catalogue Number:	C4X-136824
Synonyms:	N/A	Lot Number:	1012-RH-0038
CAS Number:	N/A	Expiry Date:	Sep 30, 2030
Molecular Formula:	C ₁₉ H ₂₂ N ₂ O ₃ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	358.45	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.2939%
Loss on Drying	TGA	1.746%
Assay	Mass Balance	93.6%

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:

Reviewed by:

Approved by General Manager:

Date: Oct 15, 2026

Date: Oct 16, 2026

Date: Oct 16, 2026



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