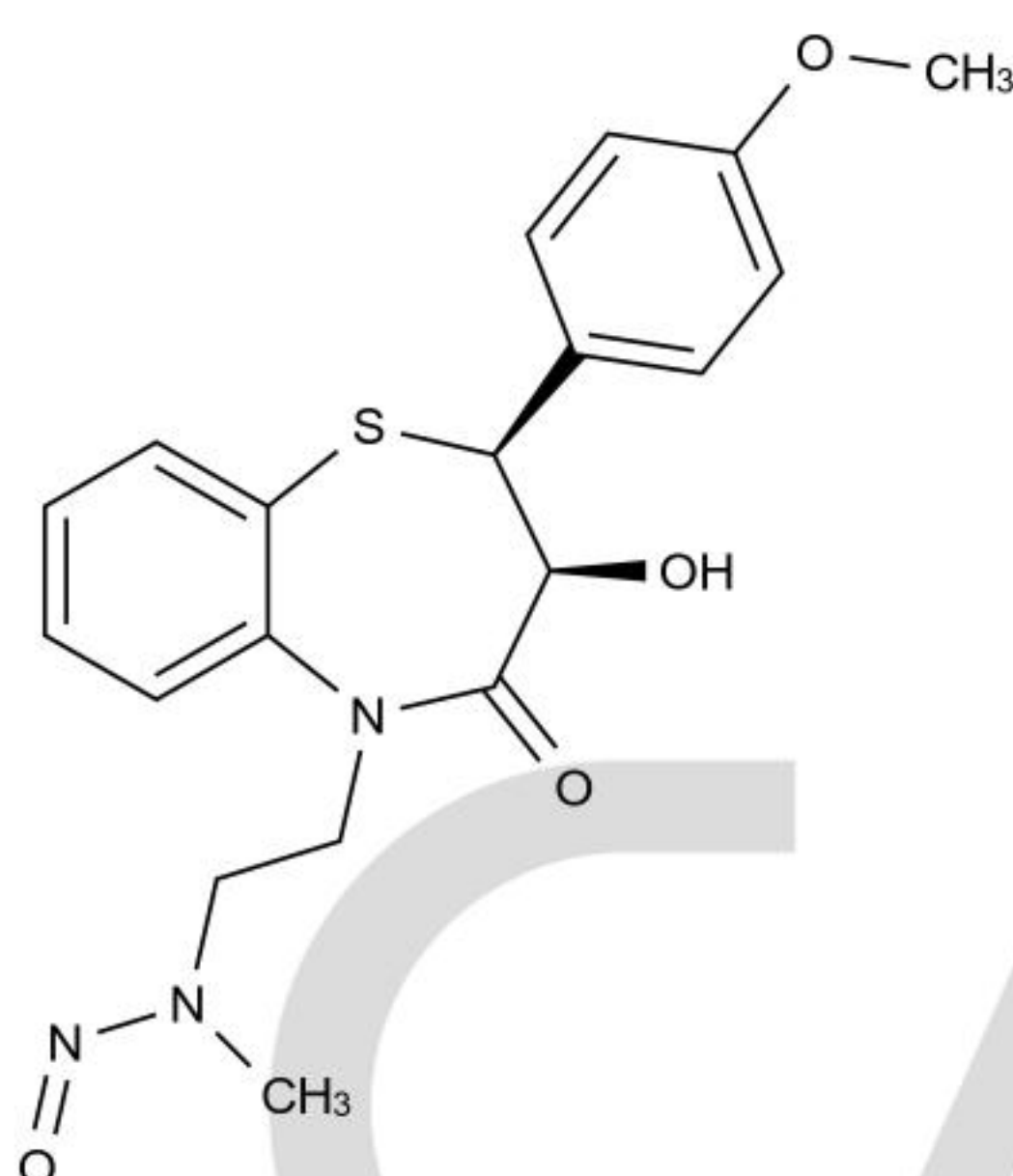


Certificate of Analysis

Reference Material & Standard

Product Name:	Diltiazem Impurity 17	Catalogue Number:	C4X-136817
Synonyms:	N/A	Lot Number:	0109-RG-0029
CAS Number:	N/A	Expiry Date:	Jan 06, 2028
Molecular Formula:	C ₁₉ H ₂₁ N ₃ O ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	387.45		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.774%
Loss On Drying	TGA	0.2268%
Assay		98.5%

Comment:

The calculation of the 100% 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:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Feb 10, 2025

Date: Feb 10, 2025

Date: Feb 10, 2025

