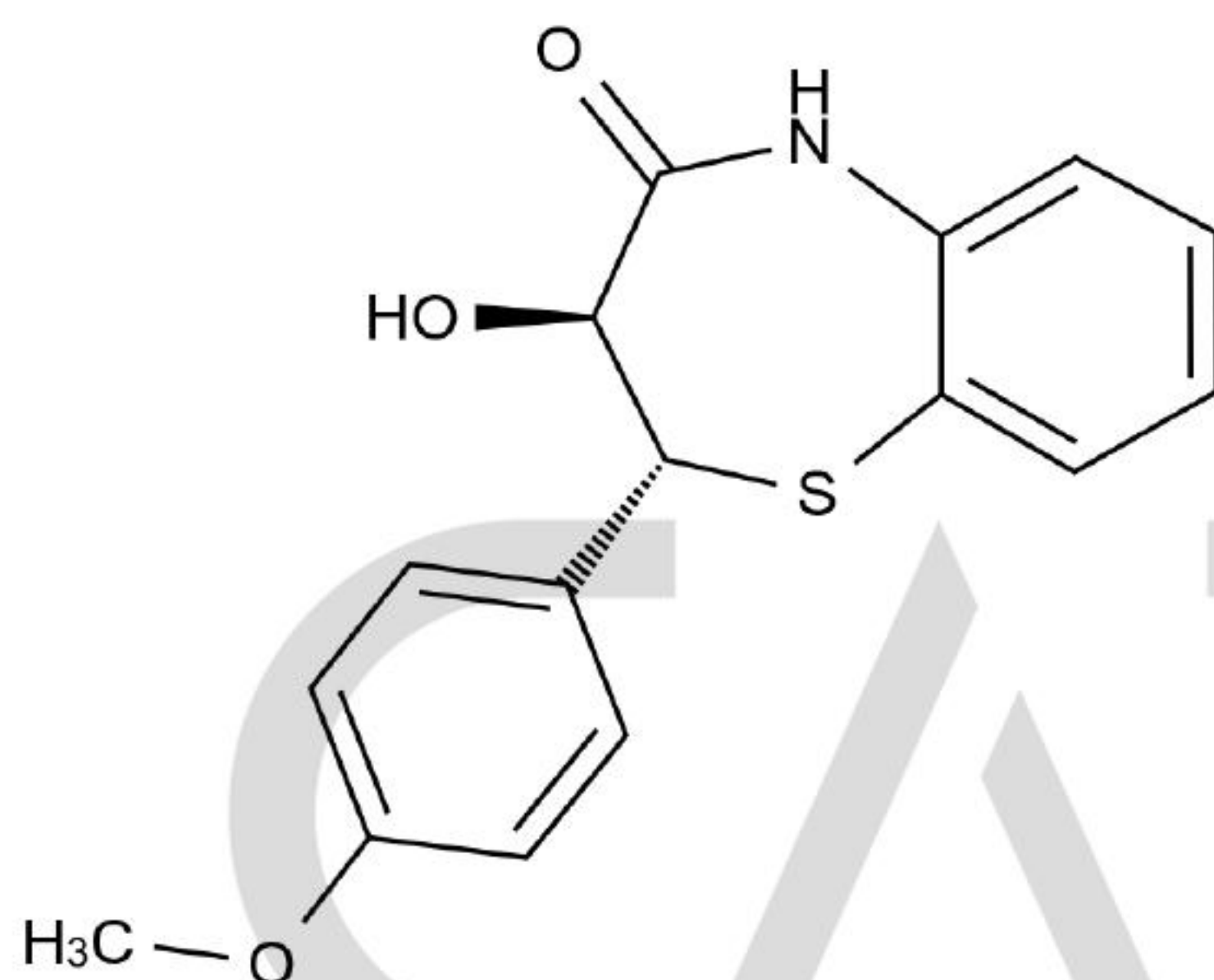


Certificate of Analysis

Reference Material & Standard

Product Name:	Diltiazem Impurity 22	Catalogue Number:	C4X-136822
Synonyms:	N/A	Lot Number:	0903-RF-0080
CAS Number:	132830-17-2	Expiry Date:	Sep 05, 2027
Molecular Formula:	C ₁₆ H ₁₅ NO ₃ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	301.36		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.424%
Loss on Drying	TGA	1.9653%
Assay		97.5%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Sep 06, 2024

Date: Sep 06, 2024

Date: Sep 06, 2024



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