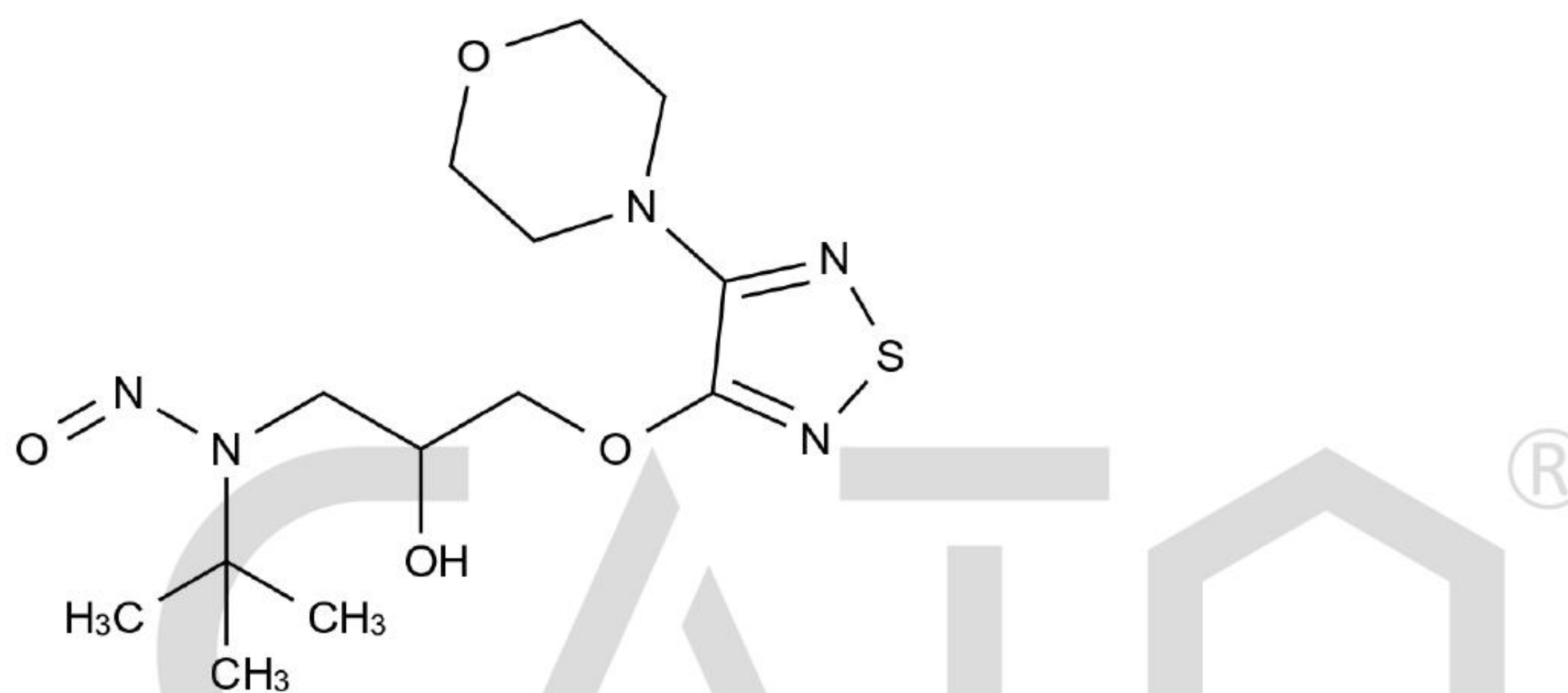


Certificate of Analysis

Reference Material & Standard

Product Name:	Timolol Impurity 23	Catalogue Number:	C4X-149623
Synonyms:	N/A	Lot Number:	0410-RG-0097
CAS Number:	N/A	Expiry Date:	Apr 14, 2028
Molecular Formula:	C ₁₃ H ₂₃ N ₅ O ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	345.42		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Sticky Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.189%
Loss On Drying	TGA	0.3291%
Assay		98.9%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Apr 15, 2025

Date: Apr 15, 2025

Date: Apr 15, 2025

