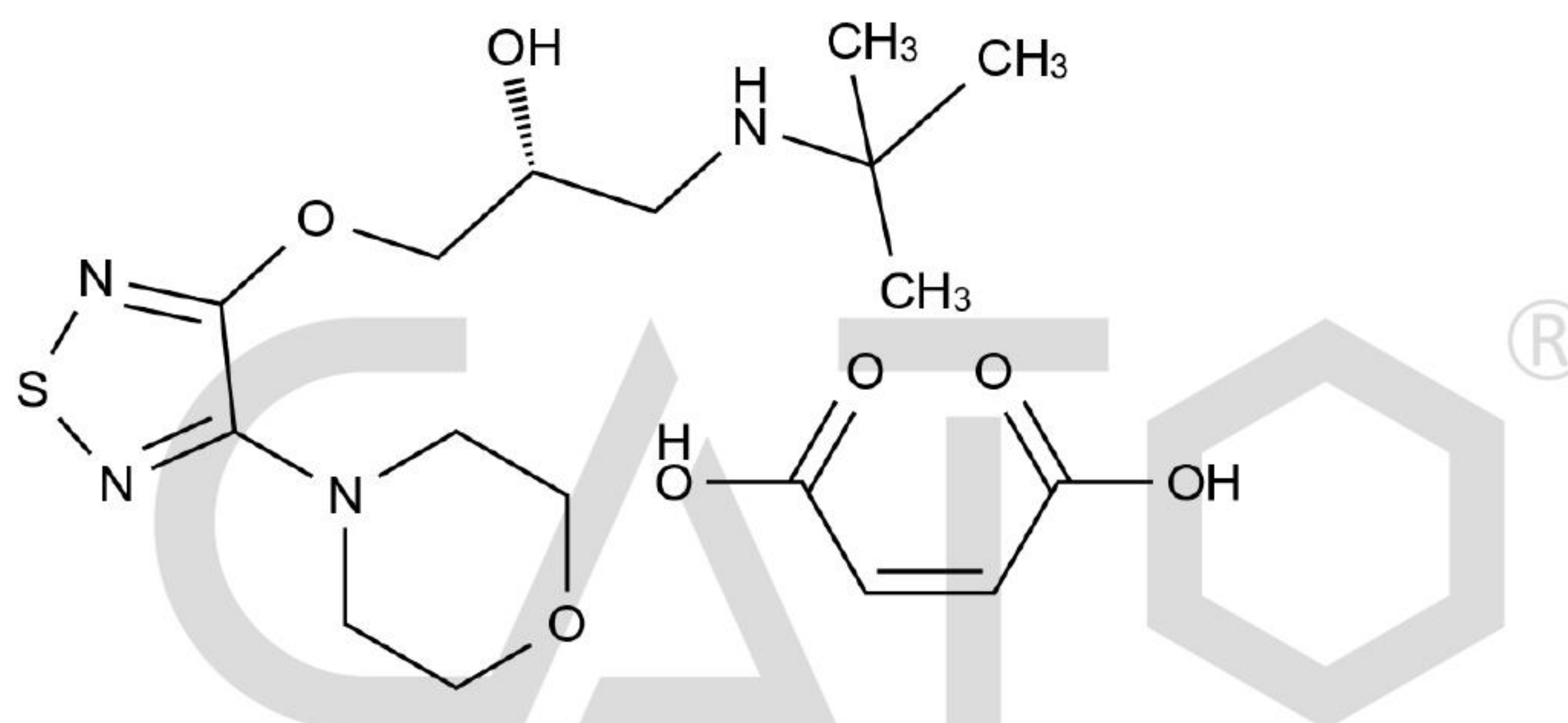


Certificate of Analysis

Reference Material & Standard

Product Name:	Timolol EP Impurity A Maleate	Catalogue Number:	C4X-14961
Synonyms:	(R)-Timolol Maleate/Timolol USP Related Compound A Maleate	Lot Number:	1219-RE-0010
CAS Number:	26839-77-0	Expiry Date:	Aug 19, 2030
Molecular Formula:	C ₁₃ H ₂₄ N ₄ O ₃ S C ₄ H ₄ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	316.42 116.07	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss on Drying	TGA	0.0519%
Assay		99.9%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Aug 20, 2026

Date: Aug 20, 2026

Date: Aug 20, 2026



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