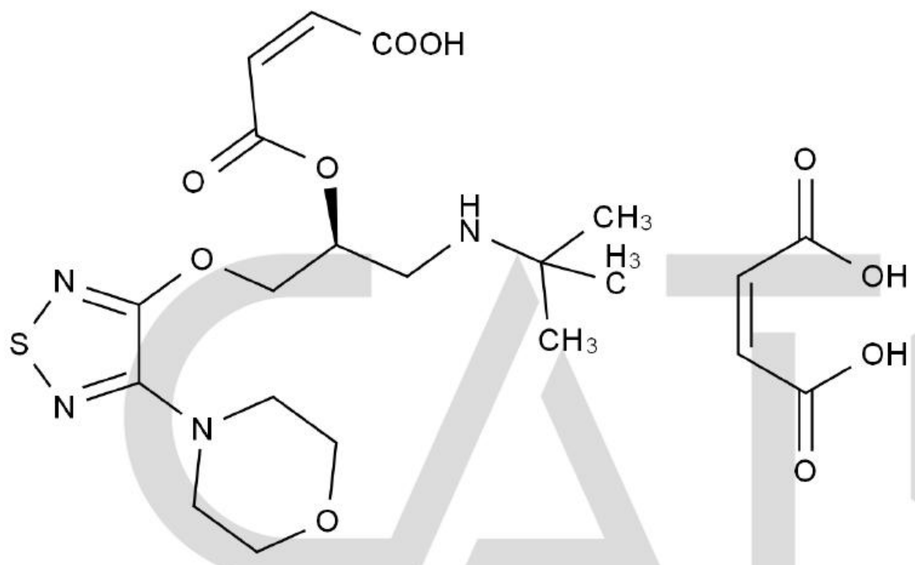
Certificate of Analysis

Reference Material & Standard

Product Name:	Timolol EP Impurity E Maleate	**Catalogue Number:**	C4X-149610
Synonyms:	Timolol USP Related Compound E Maleate	**Lot Number:**	0813-RH-0053
CAS Number:	N/A	**Expiry Date:**	Aug 09, 2030
Molecular Formula:	$C_{17}H_{26}N_4O_6S$ $C_4H_4O_4$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	414.48 116.07	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	97.9%
Assay	qNMR	93.0%

CATO Research Chemicals Inc.

Signature:

Prepared by: Koi Date: Aug 13, 2026

Reviewed by: Lisa Date: Aug 13, 2026

Approved by General Manager: David Date: Aug 13, 2026

CATO Research Chemicals Inc.