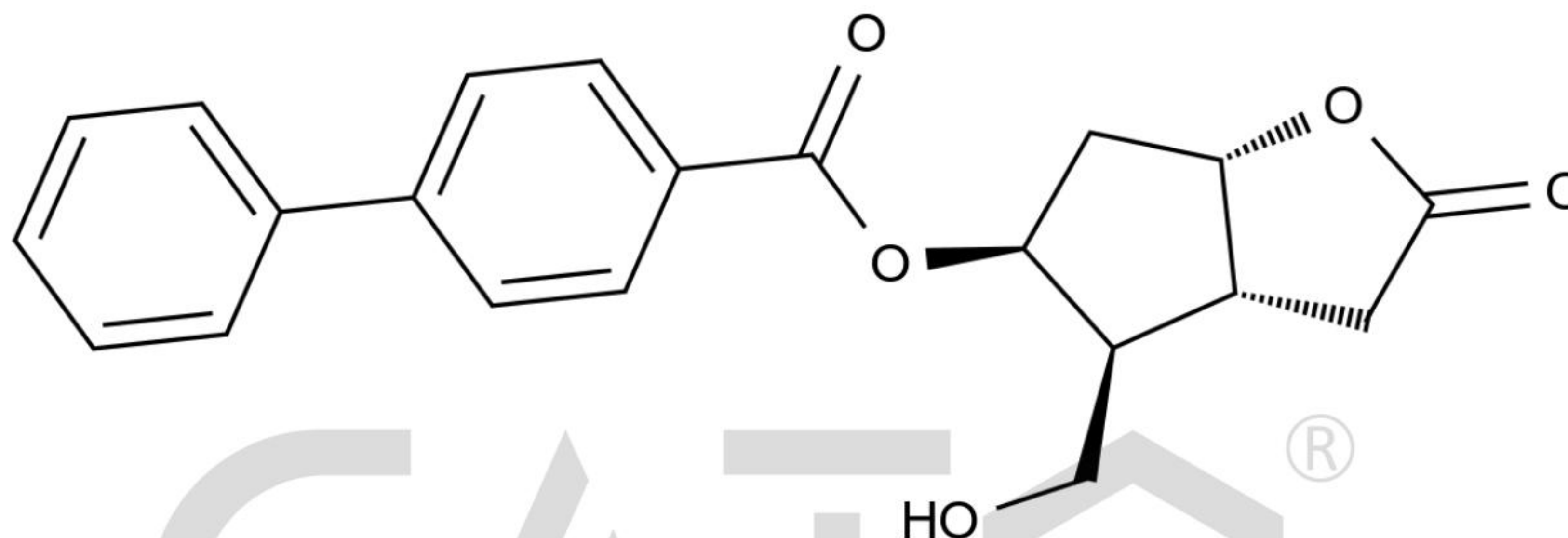


Certificate of Analysis

Reference Material

Product Name:	Travoprost Impurity 57	Catalogue Number:	C4X-192557
Chemical Name:	N/A	Lot Number:	0109-RE-0017
CAS Number:	N/A	Expiry Date:	Jan 11, 2026
Molecular Formula:	C ₂₁ H ₂₀ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	352.38		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&IR&1H-1H COSY&1H-1H- NOESY&HNMR	Confirmed
Purity	HPLC	99.9461%
Water Content	Karl Fischer	0.0%
Residual Solvents	NMR	0.4% ethyl acetate
Optical Rotation		[α] _D 20.0(c=0.50,CHCl ₃): +27.6°
Assay		99.5%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) /100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nacy

Reviewed by:

Debia

Aporoved by General manager:

David

Date: Jan 12, 2023

Date: Jan 12, 2023

Date: Jan 12, 2023

