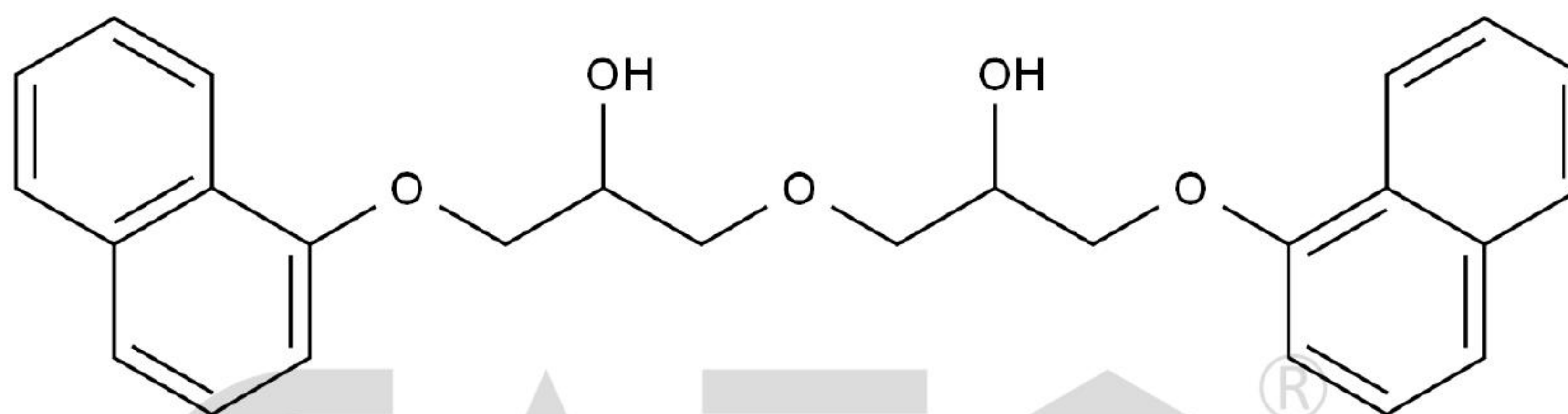


Certificate of Analysis

Reference Material & Standard

Product Name:	Propranolol Impurity 13	Catalogue Number:	C4X-151913
Synonyms:	N/A	Lot Number:	0514-RG-0108
CAS Number:	1236367-67-1	Expiry Date:	May 19, 2028
Molecular Formula:	C ₂₆ H ₂₆ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	418.48		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Sticky Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.314%
Loss On Drying	TGA	1.041%
Assay		95.3%

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: May 20, 2025

Date: May 20, 2025

Date: May 20, 2025

