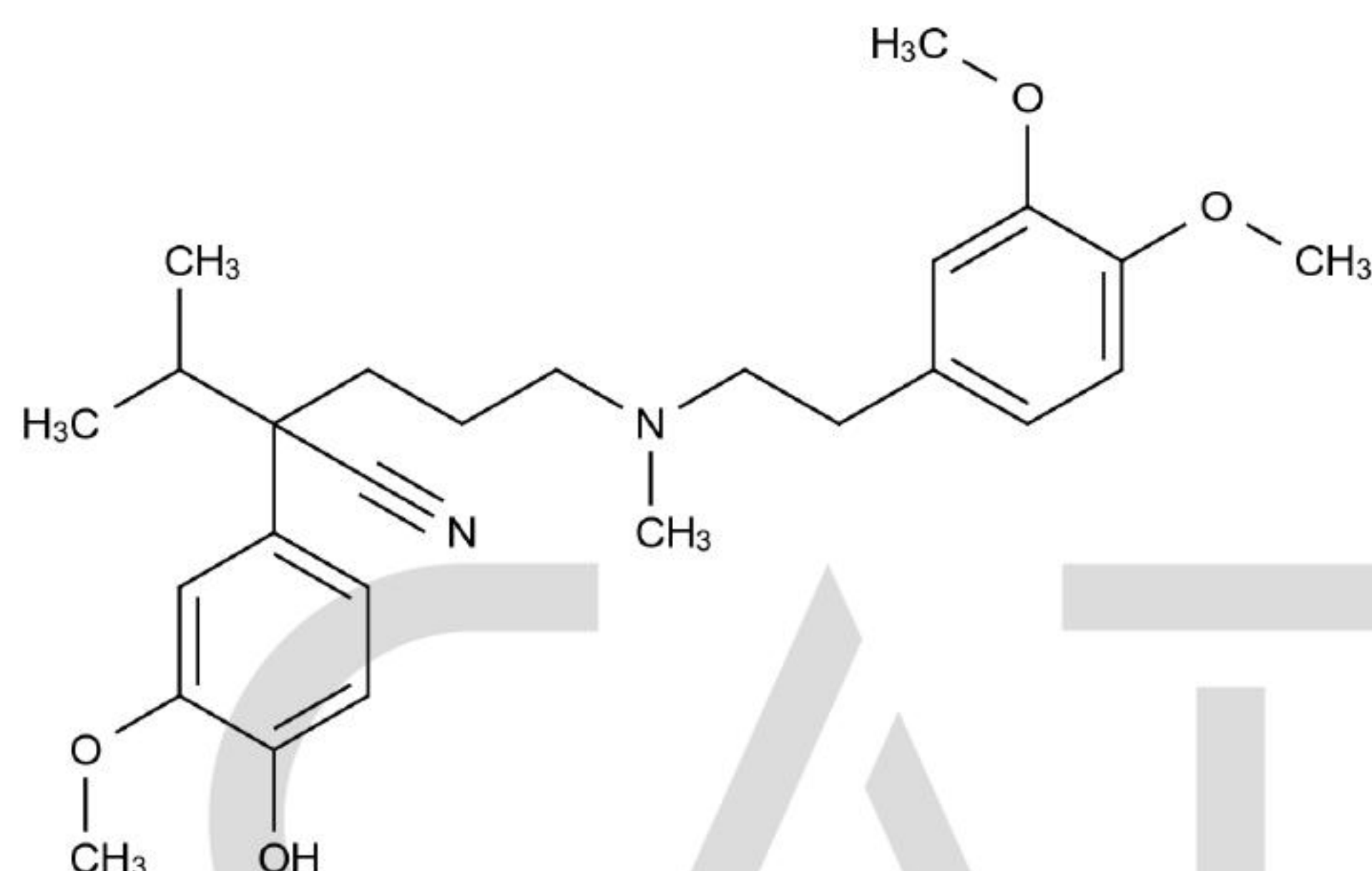


Certificate of Analysis

Reference Material & Standard

Product Name:	Verapamil Impurity 37	Catalogue Number:	C4X-177837
Synonyms:	N/A	Lot Number:	0107-RG-0047
CAS Number:	67018-80-8	Expiry Date:	Dec 09, 2026
Molecular Formula:	C ₂₆ H ₃₆ N ₂ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	440.58		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	95.95%
Loss On Drying	TGA	1.733%
Assay		94.3%

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:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Jan 07, 2025

Date: Jan 07, 2025

Date: Jan 07, 2025

