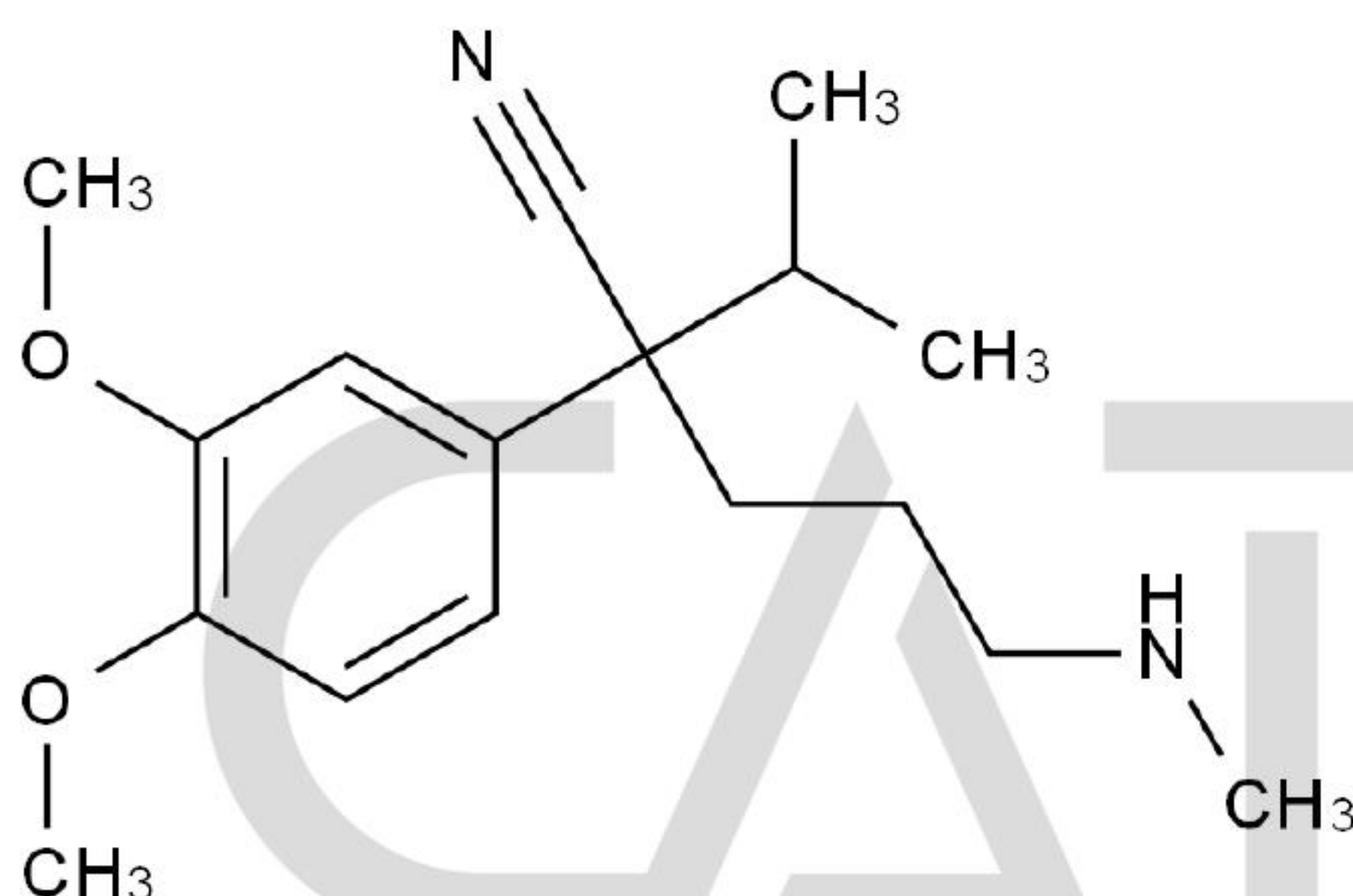


Certificate of Analysis

Reference Material & Standard

Product Name:	Verapamil EP Impurity F	Catalogue Number:	CP133915
Synonyms:	N/A	Lot Number:	0330-RH-0025
CAS Number:	34245-14-2	Expiry Date:	Apr 01, 2030
Molecular Formula:	C ₁₇ H ₂₆ N ₂ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	290.41	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Sticky Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.297%
Loss on Drying	TGA	1.0266%
Assay		96.3%

Comment:

The calculation of the mass balance 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:

Hin Lam

Reviewed by:

Koi

Approved by General Manager:

David

Date: Apr 02, 2026

Date: Apr 03, 2026

Date: Apr 03, 2026



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