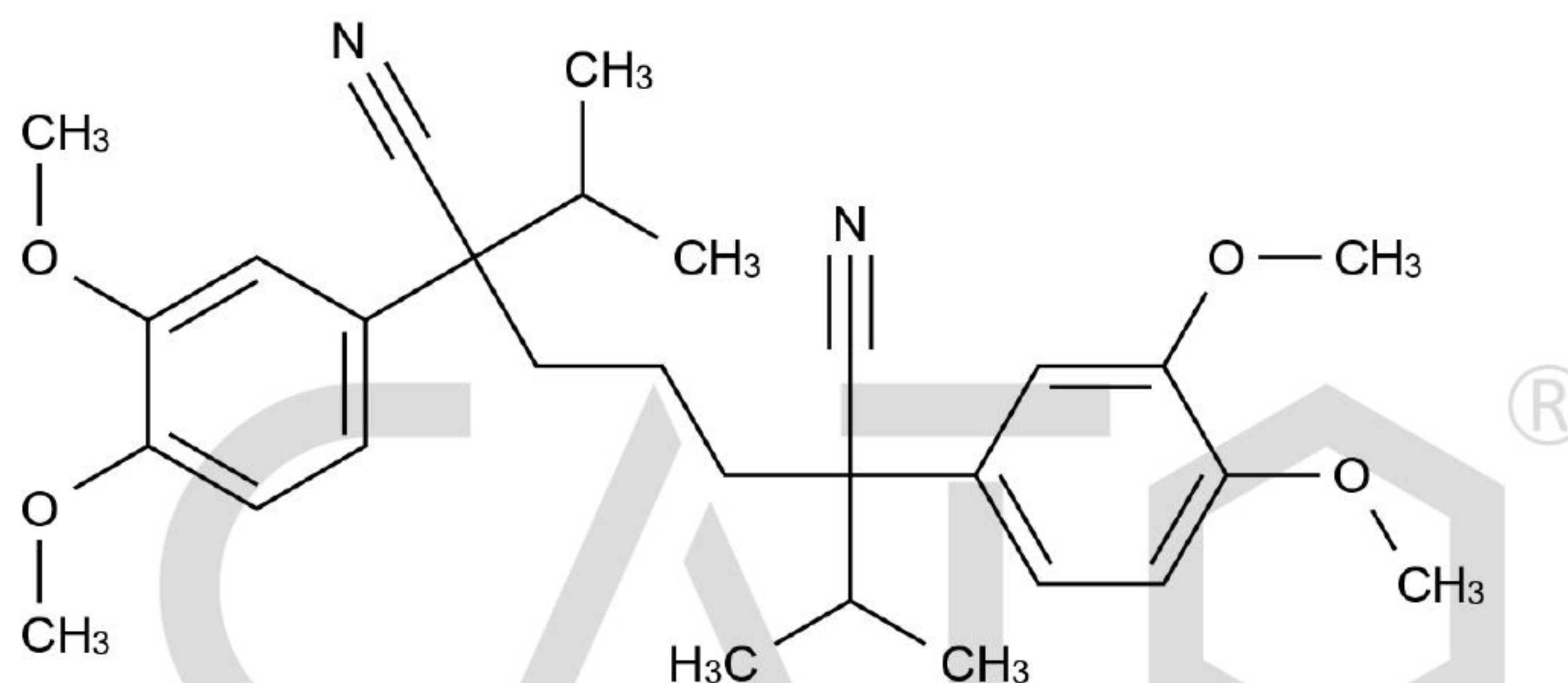


Certificate of Analysis

Reference Material & Standard

Product Name:	Verapamil EP Impurity P	Catalogue Number:	CP126138
Synonyms:	N/A	Lot Number:	1018-RF-0026
CAS Number:	2086275-13-8	Expiry Date:	Oct 14, 2027
Molecular Formula:	C ₂₉ H ₃₈ N ₂ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	478.62	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.365%
Loss On Drying	TGA	0.1586%
Assay		97.2%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Oct 18, 2024

Date: Oct 18, 2024

Date: Oct 18, 2024

