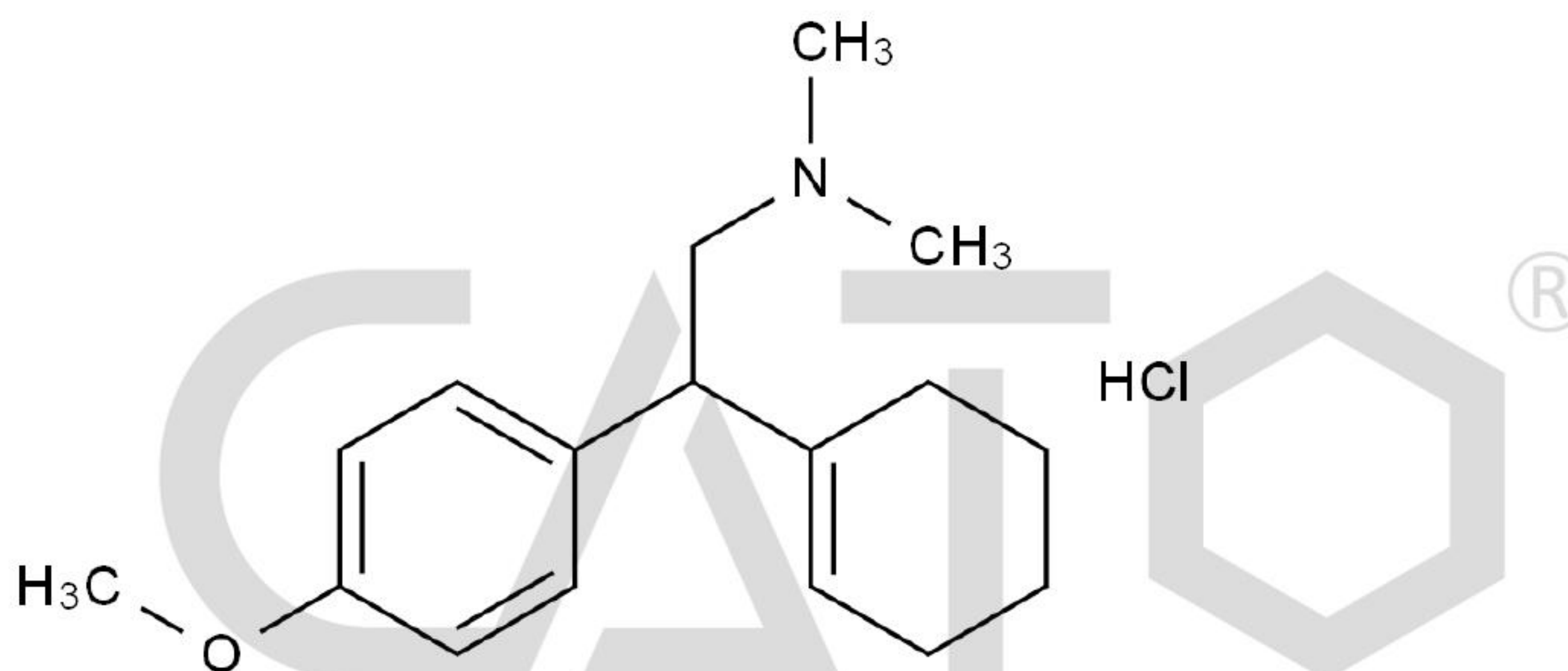


Certificate of Analysis

Reference Material & Standard

Product Name:	Venlafaxine EP Impurity F HCl	Catalogue Number:	C4X-14346
Synonyms:	2-(Cyclohex-1-en-1-yl)-2-(4-methoxyphenyl)-N,N-dimethylethan-1-amine Hydrochloride	Lot Number:	1105-RG-0024
CAS Number:	93413-79-7	Expiry Date:	Nov 12, 2029
Molecular Formula:	C ₁₇ H ₂₅ NO HCl	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	259.39 36.46	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.278%
Residue on Ignition	TGA	0.2740%
Loss On Drying	TGA	0.0234%
Assay	qNMR	98.8%
Assay	Mass Balance	99.0%

Comment:

- The retest date of this product is Nov 12, 2028.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Nov 13, 2025

Date: Nov 13, 2025

Date: Nov 13, 2025



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