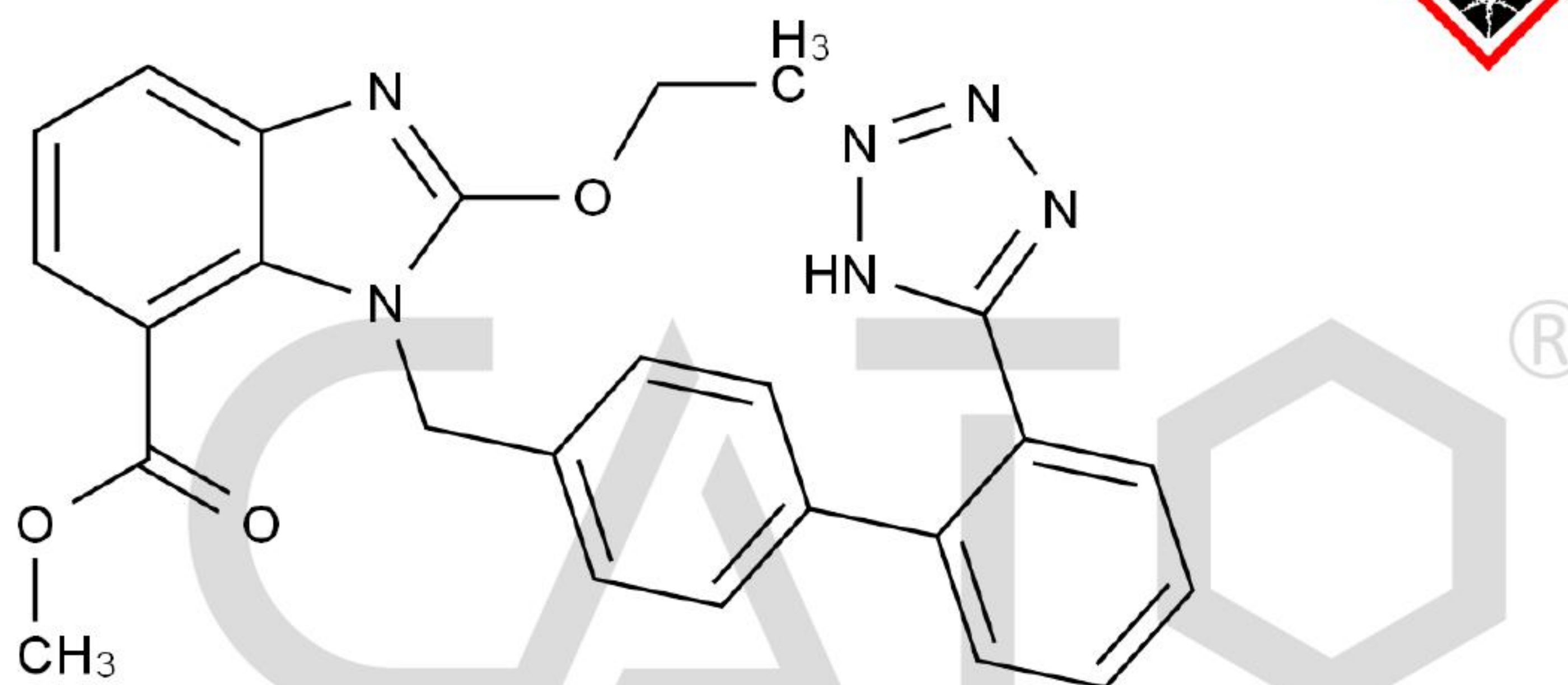


Certificate of Analysis

Reference Material & Standard

Product Name:	Candesartan Cilexetil EP Impurity I	Catalogue Number:	C4X-123412
Synonyms:	Methyl 2-ethoxy-1-[[2'-(1H-tetrazol-5-yl)biphenyl-4-yl]methyl]benzimidazole-7-carboxylate	Lot Number:	0821-RG-0076
CAS Number:	139481-69-9	Expiry Date:	Sep 02, 2029
Molecular Formula:	C ₂₅ H ₂₂ N ₆ O ₃	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	454.48	Shipping Condition:	Shipping at room temperature
Solubility:	Soluble in Acetonitrile and DMSO	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	98.893%
Residue on Ignition	TGA	0.3037%
Loss On Drying	TGA	0.0509%
Assay	qNMR	97.9%
Assay	Mass Balance	98.5%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. The retest date of this product is Sep 02, 2028.
3. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) \times \text{Purity HPLC (\%)} / 100\%$$
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: Sep 03, 2025

Date: Sep 03, 2025

Date: Sep 03, 2025

