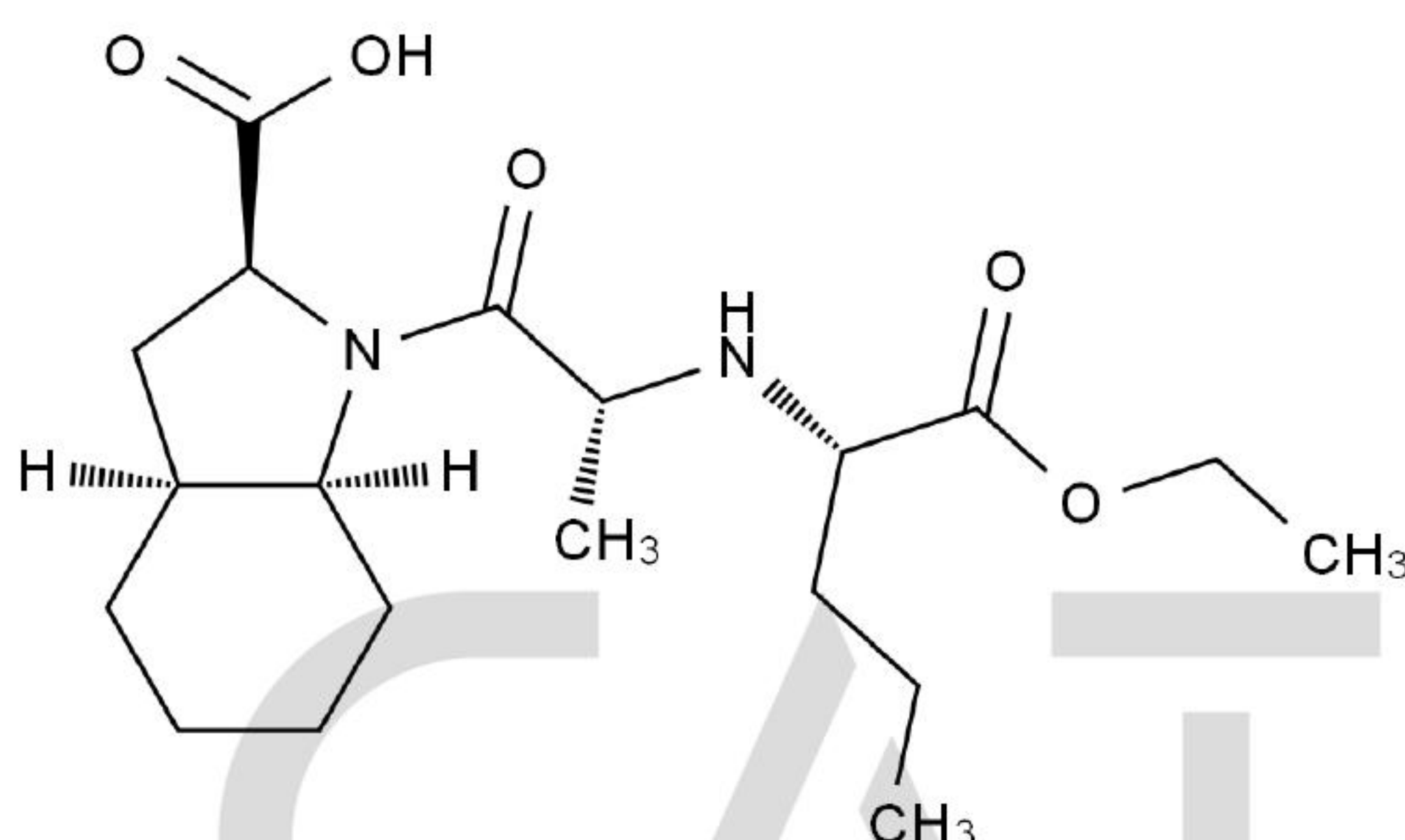


Certificate of Analysis

Reference Material

Product Name:	Perindopril Impurity N11	Catalogue Number:	CP116871
Chemical Name:	N/A	Lot Number:	0712-RE-0034
CAS Number:	145513-37-7	Expiry Date:	Jan 05, 2025
Molecular Formula:	C ₁₉ H ₃₂ N ₂ O ₅	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	368.47		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	96.5948%
Water Content	Karl Fischer	0.80%
Residual Solvents	NMR	Not detected in NMR
Assay		95.8%

Comment:

- The compound contains 2.3% Perindopril Impurity 23 (RT 22.81) according to its HPLC and LC-MS.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$$
 Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Jul 06, 2023

Date: Jul 14, 2023

Date: Jul 14, 2023

