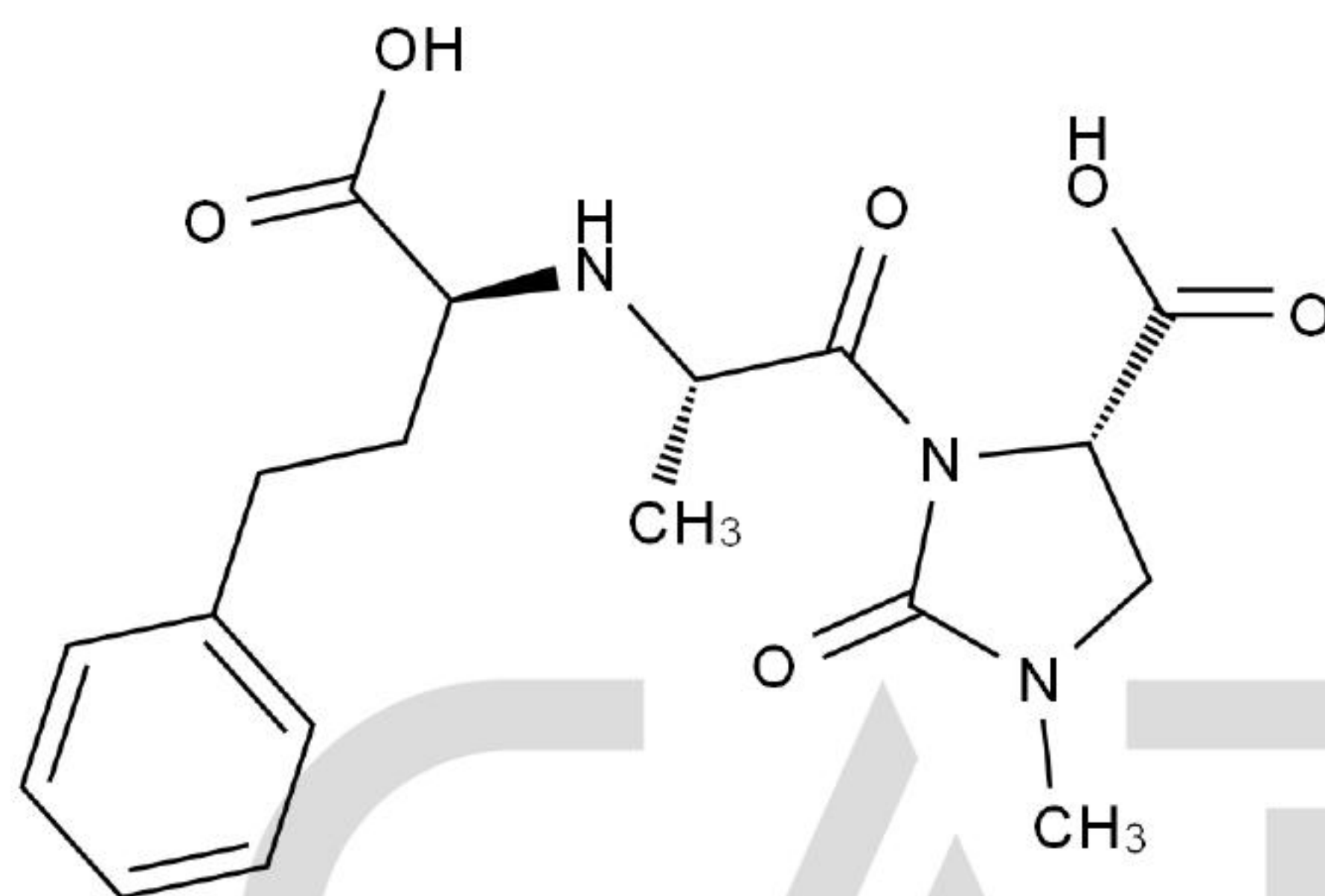


Certificate of Analysis

Reference Material

Product Name:	Imidapril Diacid	Catalogue Number:	CP151650
Chemical Name:	N/A	Lot Number:	1108-RD-0002
CAS Number:	89371-44-8	Expiry Date:	Mar 18, 2025
Molecular Formula:	C ₁₈ H ₂₃ N ₃ O ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	377.39		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.9702%
Water Content	Karl Fischer	2.8%
Residual Solvents	NMR	0.2% methanol
Optical Rotation		[α] _D ^{23.0} (c=0.29, 5%NaHCO ₃ (aq)): -88.2°
Assay		96.0%

Comment:

- The compound contains 0.3% Imidapril (RT 19.42) according to its HPLC.
- 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:

Hinlam

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Mar 21, 2022

Date: Nov 10, 2022

Date: Nov 10, 2022

