

Certificate of Analysis

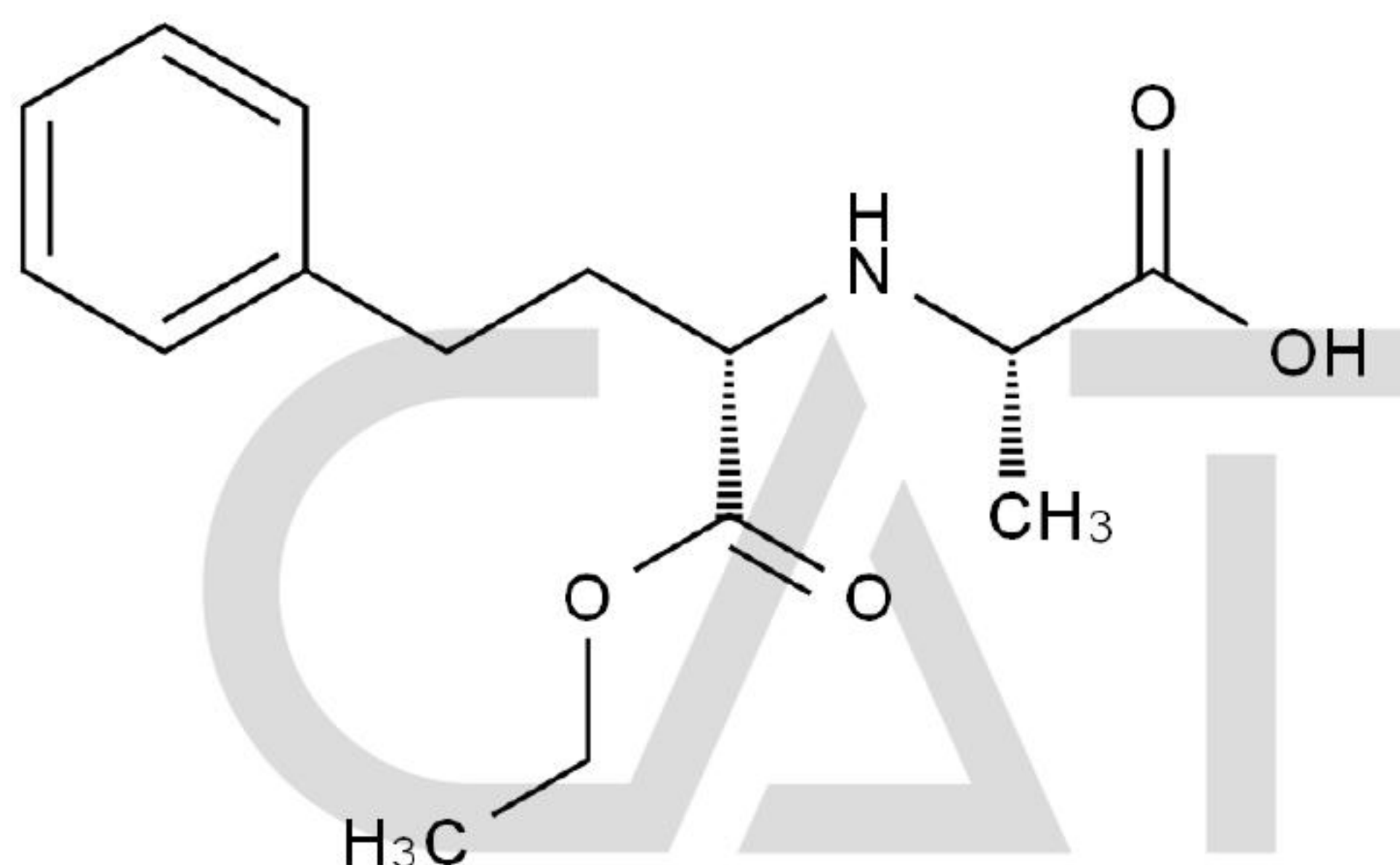
Reference Material & Standard

Product Name:	Enalapril EP Impurity B	Catalogue Number:	C4X-13345
Synonyms:	Ramipril Impurity;((S)-1-ethoxy-1-oxo-4-phenylbutan-2-yl)-L-alanine	Lot Number:	0930-RF-0016
CAS Number:	82717-96-2	Expiry Date:	Oct 09, 2027
Molecular Formula:	C ₁₅ H ₂₁ NO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	279.33	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.208%
Loss on Drying	TGA	0.4234%
Assay		98.8%

Comment:

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

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

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

Signature:

Prepared by:

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Approved by General Manager:

David

Date: Jul 24, 2025

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