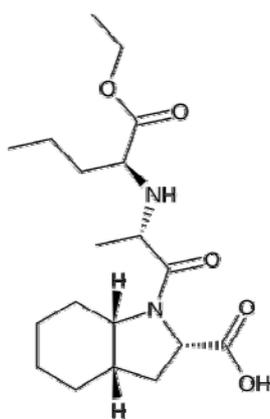


Perindopril Erbumine



Perindopril Erbumine

Perindopril is a long-acting ACE inhibitor. It is used to treat high blood pressure, heart failure or stable coronary artery disease.

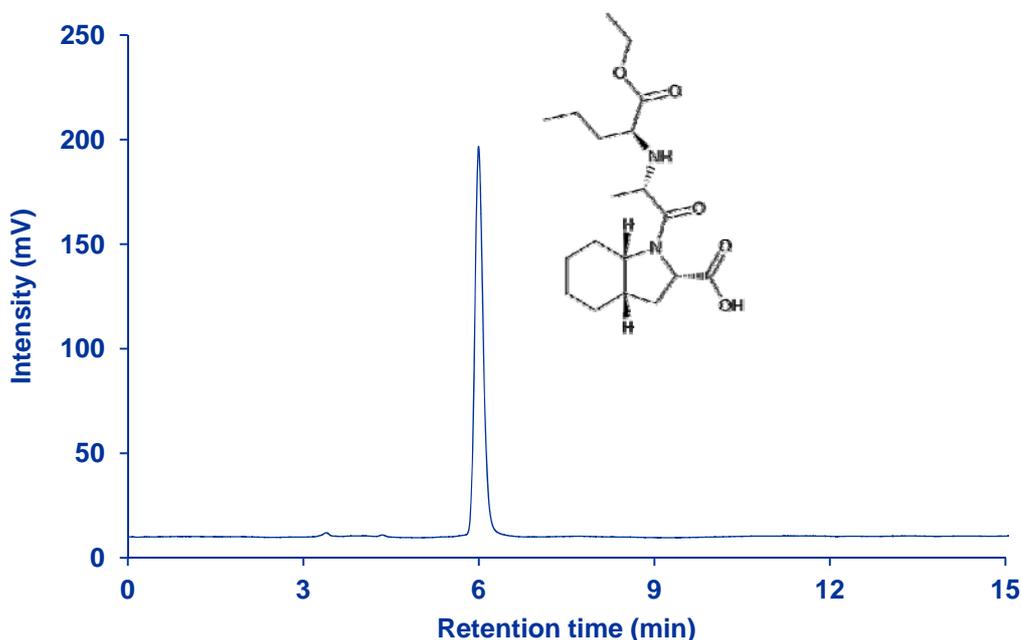
There is no current monograph for Perindopril Erbumine in the USP, there is a pending monograph where the assay method is using a C-8 phase with ion pairing, impurity analysis is one TLC and one 65 minute gradient method using a C-8 column and perchloric acid as buffer.

Perindopril Erbumine

SeQuant[®] ZIC[®]-cHILIC

Chromatographic Conditions

Column: SeQuant ZIC[®]-cHILIC (3 μm, 100 Å) 150 × 4.6 mm 1.50661.0001
 Injection: 10 μL
 Detection: Shimadzu Prominence, UV 220 nm
 Cell: 10 μL
 Flow Rate: 0.5 mL/min
 Mobile Phase: Buffer: Dissolve 1.56 g of ammonium formate in 1000 ml water (25 mM).
 Adjust pH to 3.5 with formic acid. Mix Buffer & Acetonitrile 10:90 (v/v)
 Total ionic strength: 2.5 mM
 Temperature: 30 °C
 Diluent: Mobile phase
 Sample: Dissolve 10 mg of perindopril erbumine in diluent & dilute to 100 ml with same solvent.
 Pressure Drop: 54 Bar (783 psi)



Chromatographic Data

No.	Compound	Retention Time (min)	Theoretical Plate	Asymmetry
1	Perindopril Erbumine	6.0	8548	1.2