Product information

YMC EUROPE GMBH

YMC CHIRAL
Cellulose-C (5 µm)
Valsartan

Analysis of Valsartan according to the USP method

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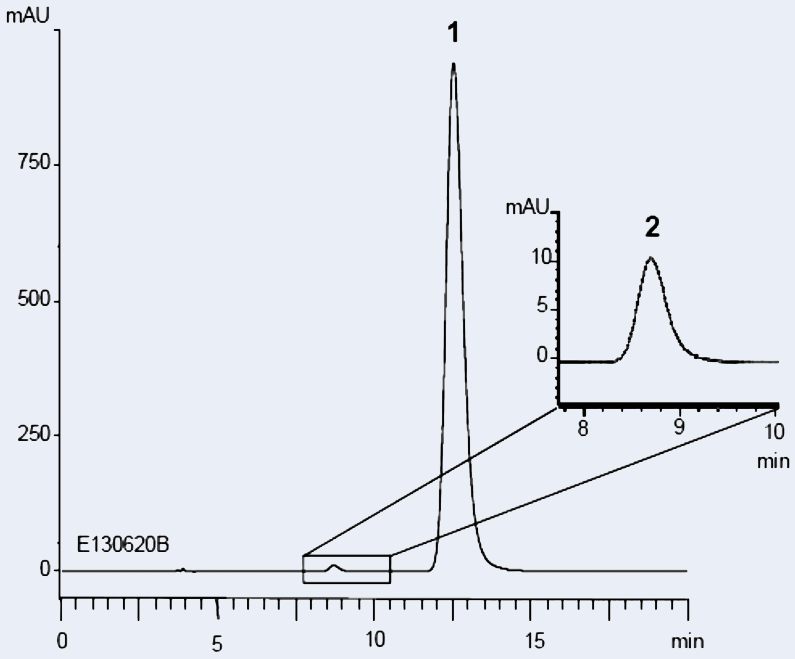
Most cardiovascular diseases can be traced back to hypertension. This can lead to strokes, heart attacks or kidney failure. Valsartan is an angiotensin II receptor antagonist which is used for the treatment of high blood pressure, congestive heart failure or post-myocardial infarction.
Valsartan exists as two enantiomers. Only the S-enantiomer is physiologically active. Therefore, a separation of the two enantiomers is essential. The synthesis is based on a four-stage reaction starting with L-valine methyl ester hydrochloride.
YMC has developed an application for valsartam. It guarantees an excellent separation of valsartam enantiomers. This application conforms to the United States Pharmacopeia (USP) methodology.

Test solution*
(1.0 mg/mL Valsartan)



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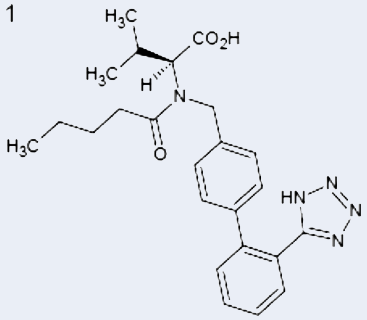
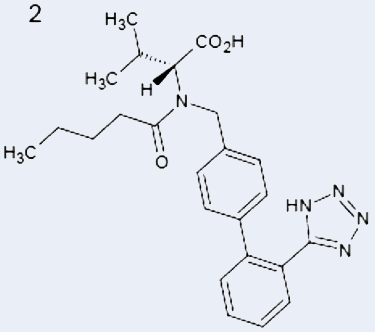


Valsartan

2



Valsartan enantiomer
(Valsartan related compound A)

Column:	YMC CHIRAL Cellulose-C (5 µm) 250 x 4.6 mm ID
Eluent:	*n*-hexane / 2-propanol / trifluoroacetic acid (85/15/0.1)
Flow rate:	0.8 ml/min
Temperature:	25°C
Detection:	UV at 230 nm
Injection:	10 µl

(The United States Pharmacopeia 34th; Related compounds)

* Test solution was prepared from Valsartan supplied as a reagent for laboratory use.

This application provides an excellent separation of valsartam enantiomers. YMC CHIRAL Cellulose-C conforms to the separation method according to the United States Pharmacopeia (USP).