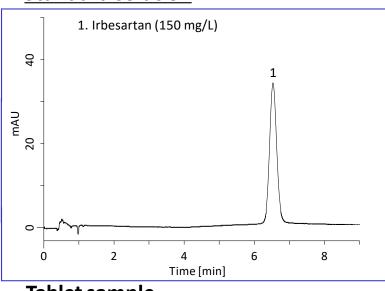
Analysis of Irbesartan

GL Sciences Inc.

Irbesartan, which is a type of angiotensin II receptor antagonists same as varsartan (LC technical notes No. 99), is used mainly for the treatment of hypertension.

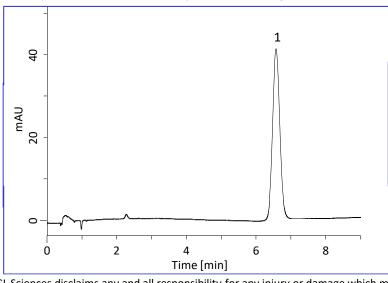
In this note, chromatograms of irbesaratn based on the condition described in the United States Pharmacopeia (USP) are shown. Using Inertsil ODS-4, sharp peak was obtained because of its inertness.

Standard solution



Tablet sample

The sample concentration was adjusted to 150 mg/L as irbesartan.



GL Sciences B.V.

5652 AS Eindhoven

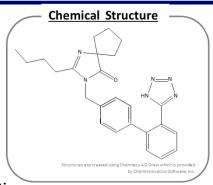
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The Netherlands

De Sleutel 9



Conditions

Column : Inertsil ODS-4

 $(3 \mu m, 50 \times 4.6 \text{ mm I.D.})$

Column Cat. No.: 5020-14068

Eluent : A) CH₃CN

B) Buffer*

A/B = 33/67, v/v

Flow rate : 1.25 mL/min

Col. temp. : 25 °C

Detection : UV 220 nm

Injection vol. : 2 uL

* Buffer: To 950 mL of purified water, 5.5 mL of phosphoric acid was dissolved. Triethylamine was added to adjust its pH value to

3.2. The solution was made up to 1000 mL with purified water.

<u>An Example of Pretreatment</u> <u>Method for</u> <u>Tablet Sample</u>

Sample Grind tablet into powder Weigh the powder equivalent to 15 mg of irbesartan. Extraction Add 80 mL of diluent** Sonication extraction for 5 min Make up to 100 mL with diluent Filtration 0.45 μm membrane filter

GL Sciences disclaims any and all responsibility for any injury or damage which may be caused by this data directly or indirectly. We reserve the right to amend this information or data at any time and without any prior announcement.

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** Diluent: $CH_3CN/H_2O = 50/50, v/v$

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