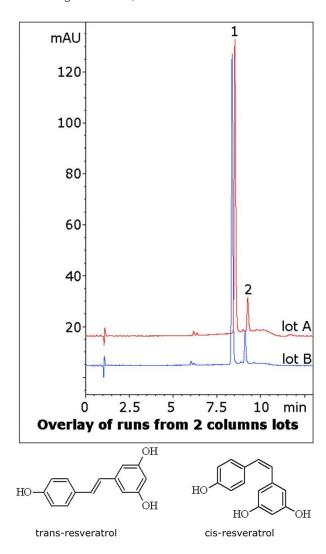


# Resveratrol Isomers Found with HPLC - AppNote

# **Resveratrol Isomers Found in OTC Capsules**

Two isomers of Resveratrol were observed using this simple Reversed Phase Method. Different capsules were analyzed and it was discovered that some had both isomers while the cis isomer was not detected in others (*data not shown*).

The ability of this Method to Separate two Isomers is a good example of determining capsule to capsule consistency. In the figure below, data from two column lots are shown to illustrate the Method Robustness and Reproducibility.



### Peaks:

trans-Resveratrol
 cis-Resveratrol

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## **Method Conditions**

Column: Cogent Bidentate C18<sup>™</sup>, 4μm, 100Å

Catalog No.: 40018-75P



**Dimensions**: 4.6 x 75mm

**Mobile Phase:** 

A: DI Water with 0.1% Formic Acid B: Acetonitrile with 0.1% Formic Acid

## **Gradient**:

Time (minutes)	%B
0	10
1	10
9	40
10	10

Post Time: 3 minutes
Injection vol.: 1µL

Flow rate: 1.0mL / minute Detection: UV @ 308nm

**Sample Preparation**: 100mg strength Resveratrol Capsule contents were added to a 100mL volumetric flask containing a portion of 50:50 Solvent A / Solvent B diluent. It was then sonicated 10 minutes and diluted to mark. After mixing, a portion was filtered with a 0.45µm Nylon Syringe Filter (MicroSolv Tech Corp.).

**to**: 0.9 minutes

**Note:** Resveratrol is a natural product found in the skin of red grapes and other sources. Still unproven, it has been reported to have anticancer, anti-aging, cardio-protective, and anti-diabetic effects.



### Attachment

No 243 Resveratrol Capsule Analyzed with HPLC pdf 0.3 Mb Download File

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