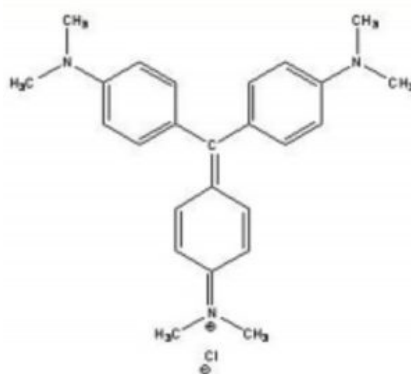
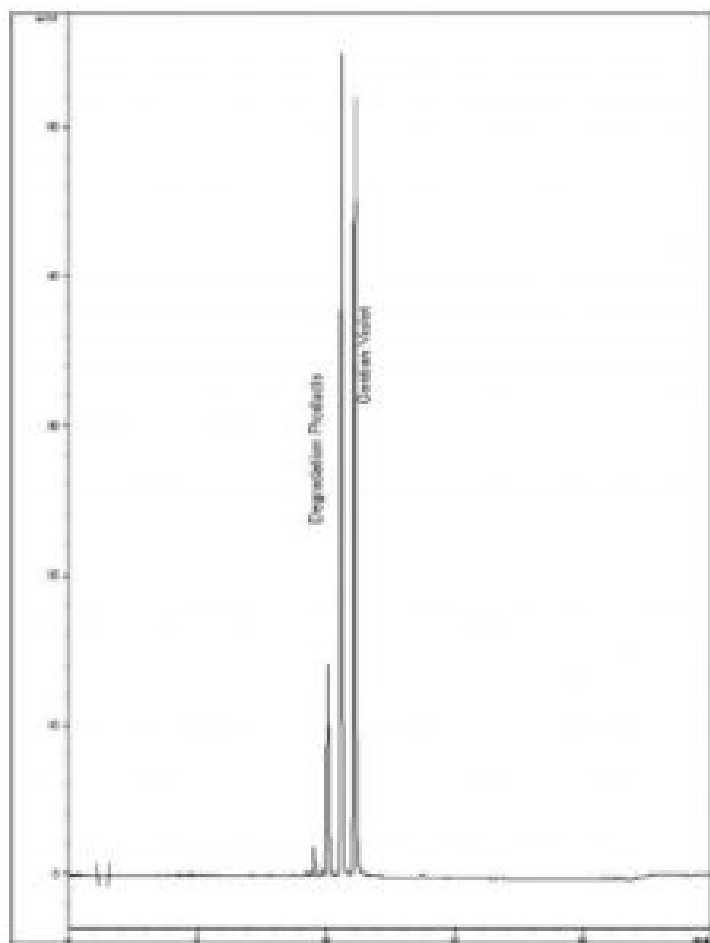


## Gentian Violet Analyzed with HPLC – AppNote

### Separation of Related Compounds

Gentian Violet degrades in solution, forming complex set of Degradation products. This Method can easily separate out the various compounds formed in Solution.

The figure below shows a USP Standard of Gentian Violet after stressing it in solution thus creating Degradation products. With excellent Selectivity well as great Peak shape this Method is Robust and easy to perform.



#### Peaks:

1. Degradation Products
2. Gentian Violet

### Method Conditions

**Column:** Cogent HPS Cyano™, 5µm, 120Å

**Catalog No.:** 75025-15P

**Dimensions:** 4.6 x 150mm

**Mobile Phase:**

A: 10% Acetonitrile / 90% 10mM NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub>

B: 70% Acetonitrile / 30% 10mM NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub>

**Gradient:**

Time (minutes)	%B
0	0
15	100

**Temperature:** 25°C

**Injection vol.:** 20µL

**Flow rate:** 1.5mL / minute

**Detection:** UV @ 588nm

**Solubility:** Water and Chloroform. Gentian Violet is insoluble in either.

**Notes:** Gentian Violet is an antifungal agent, staining agent (gram stain test), topical ointment for burns and for finger printing. This product does not require a prescription but is not easily found in most drug stores. Typically it is prepared as a weak solution (0.1%) in water and is painted on skin and gums to fight off fungal infections. Gentian Violet has many uses and is also known as Andergon, Aniline Violet, Brilliant Violet 58, Meroxylan, Methyl Violet 10BNS, Vianin and others. Gentian Violet refers to its color and is not made from gentians.



**Attachment**

**No 76 Gentian Violet Analyzed with HPLC pdf** 0.1 Mb [Download File](#)

Printed from the Chrom Resource Center

**MicroSolv Technology Corporation**

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)

Date: 05-10-2024