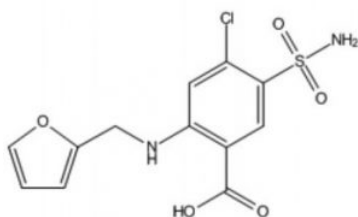
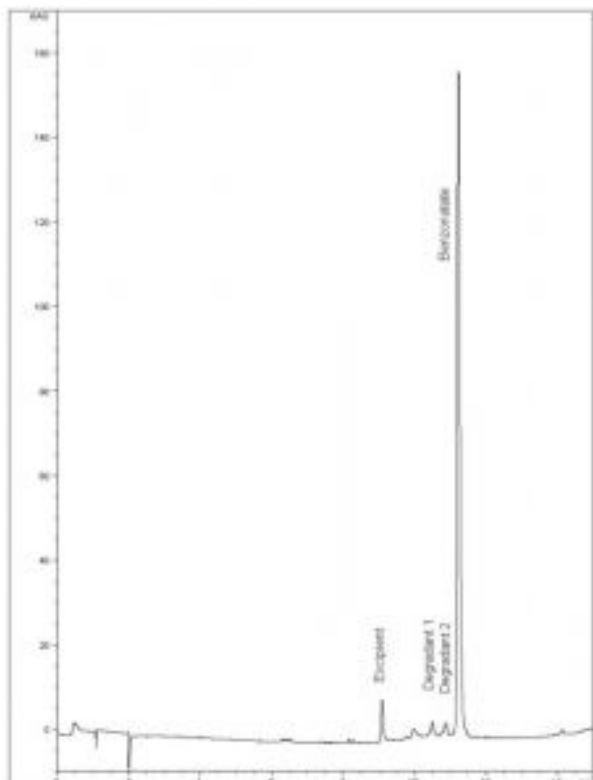


## Furosemide Analyzed with HPLC - AppNote

### Furosemide & Related Compound with Improved Peak Shapes

Furosemide and its related compound can be a difficult molecule to chromatograph with conventional L1 (C18) Columns due to Silanol activity. With this Method, the Peak shape of Furosemide and its related Compound A is excellent and baseline Resolution is achieved between this specified impurity and Furosemide. The active is easily separated from excipients in this tablet formulation. Molecular weight of Furosemide is 330.75.



#### Peaks:

1. Furosemide
2. Related Compound

### Method Conditions

**Column:** Cogent Bidentate C18™, 4µm, 100Å

**Catalog No.:** 40018-75P

**Dimensions:** 4.6 x 75mm

**Mobile Phase:** 70% DI Water / 30% Tetrahydrofuran (THF) / 1% Acetic Acid

**Flow rate:** 1mL / minute

**Temperature:** 25°C

**Injection vol.:** 20µL

**Detection:** UV @ 254nm

**Note:** Furosemide or Frusemide is a loop diuretic used in the treatment of congestive heart failure and edema. It is most commonly marketed by Sanofi-Aventis under the brand name Lasix. It has also been used to prevent thoroughbred and standard bred race horses from bleeding through the nose during races. Along with some other diuretics, Furosemide is also included on the World Anti-Doping Agency's banned drug list due to its alleged use as a masking agent for other drugs.



## Attachment

**No 77 Furosemide 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: 06-16-2024