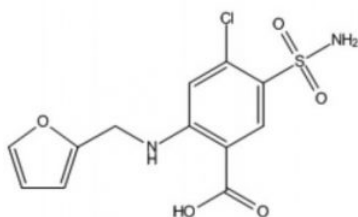
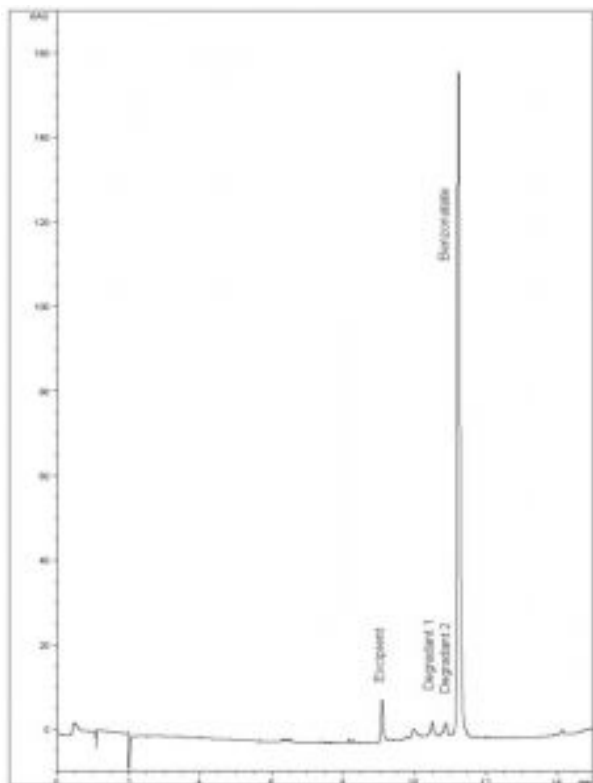


Furosemide Analyzed with HPLC – AppNote

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](#)