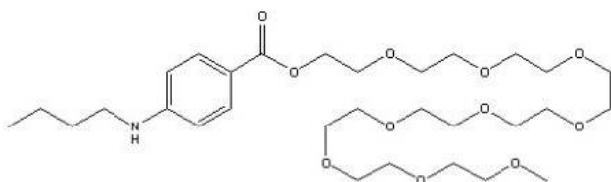
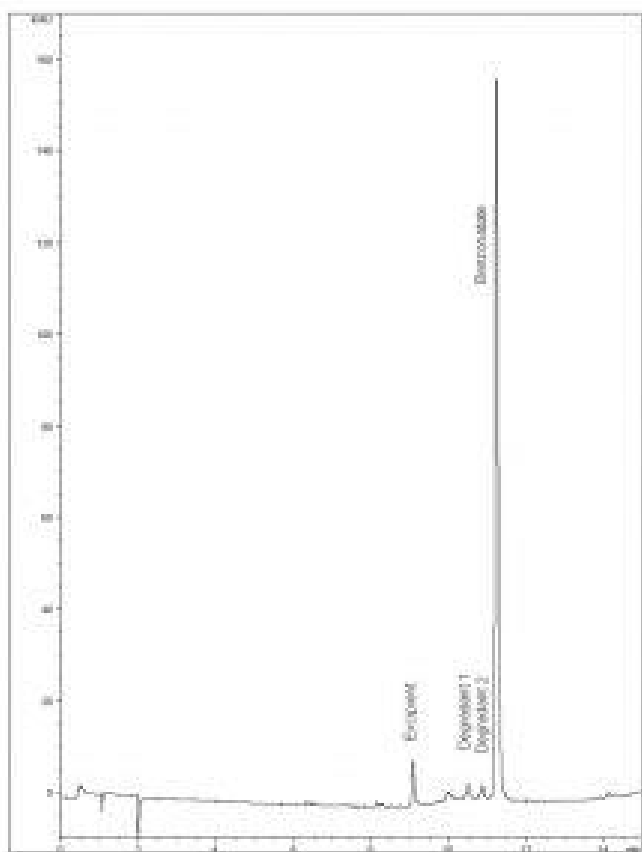


Benzonate Excipients & Degradants Analyzed by HPLC - AppNote

A Simple, Linear Gradient for a Challenging Drug Product

This Gradient Method will produce a good separation of Benzonatate from excipients and degradants in a USP Capsule Formulation. Benzonatate contains a secondary amine group, which can cause peak tailing.



Peak:

Benzonatate

Method Conditions

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

Catalog No.: 40018-75P

Dimensions: 4.6 x 75mm

Mobile Phase:

A: DI Water / 10mM Sodium Phosphate Monobasic

B: 80% Acetonitrile / 20% DI Water / 10mM Sodium Phosphate Monobasic

Gradient:

Time (minutes)	%B
0	0
15	100

Temperature: 40°C

Injection vol.: 10µL

Flow rate: 1.5mL / minute

Detection: UV @ 280nm

Notes: Benzonatate is a non-narcotic oral antitussive (cough suppressant) drug, taken orally, which works by anesthetizing the tissues of the lungs and pleura responsible for the cough reflex. It is sold under the brand name Tessalon Perles (gelcaps) or Tessalon Capsules.



Attachment

No 80 Benzonatate Excipients & Degradants pdf 0.1 Mb [Download File](#)

Printed from the Chrom Resource Center

Copyright 2025, All Rights Apply

MicroSolv Technology Corporation

9158 Industrial Blvd. NE, Leland, NC 28451

Tel: (732) 380-8900

Fax: (910) 769-9435

Email: customers@mtc-usa.com

Website: www.mtc-usa.com