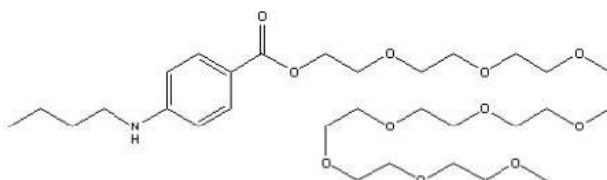
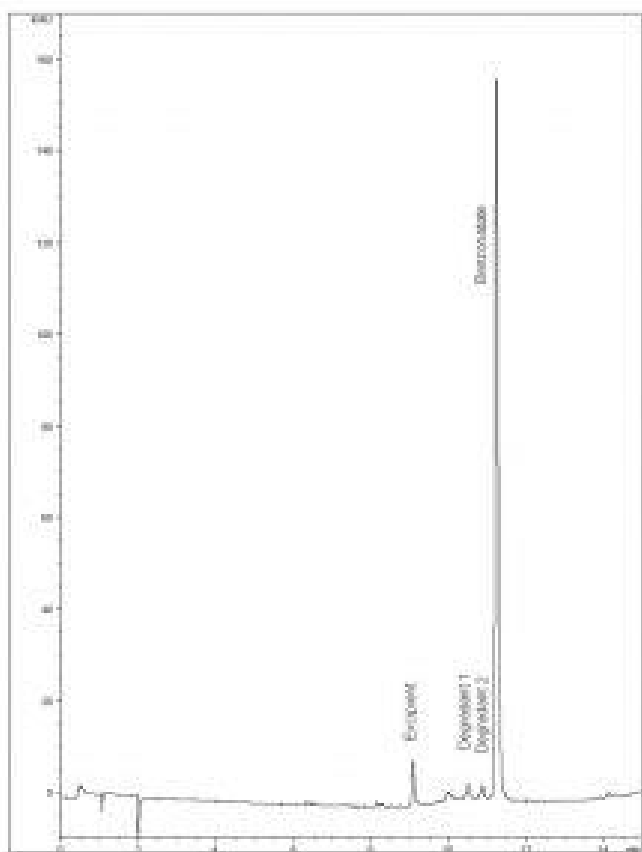


# Benzonate Excipients & Degradants Analyzed by HPLC - AppNote

## 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](#)

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