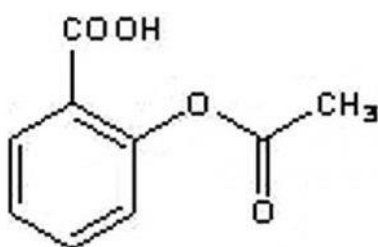
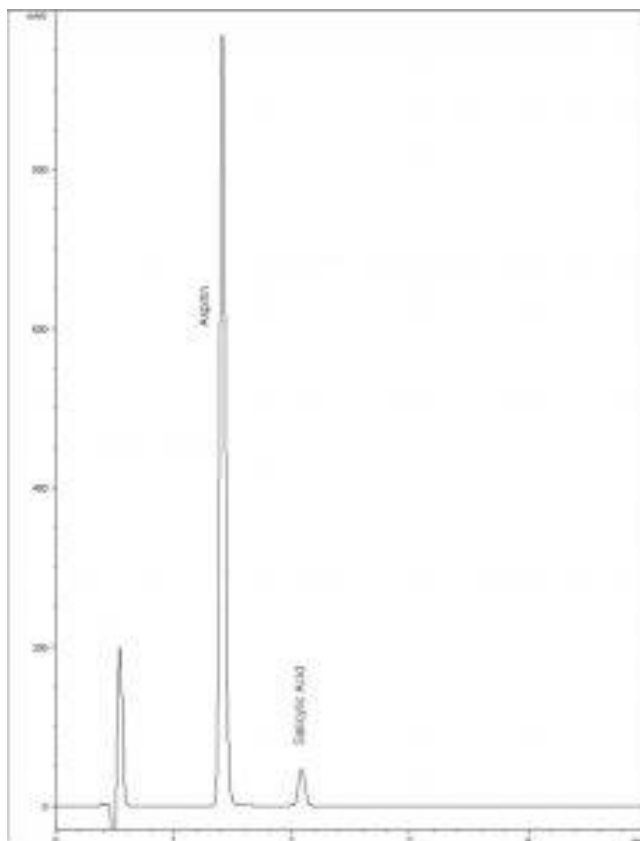


## Aspirin and Salicylic Acid Analyzed with HPLC - AppNote

### Excellent Peak Shape For a Very Difficult Compound

This Method is easy to prepare, use, reproduce and a good Separation of Aspirin from its major hydrolysis product, Salicylic Acid is achieved.



#### Peaks:

1. System Peak
2. Aspirin (Acetylsalicylic Acid)
3. Salicylic Acid

#### Method Conditions

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

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

**Dimensions:** 4.6 x 75mm

**Mobile Phase:** 52% DI Water / 48% Acetonitrile / 0.1% Phosphoric Acid

**Temperature:** 25°C

**Flow rate:** 1.5mL / minute

**Detection:** UV @ 210 nm

**Injection vol.:** 10µL

---

**Notes:** Aspirin, or acetylsalicylic acid (ASA) is a salicylate drug, often used as an analgesic to relieve minor aches and pains, as an antipyretic to reduce fever, and as an anti-inflammatory medication. Aspirin was the first-discovered member of the class of drugs known as non-steroidal anti-inflammatory drugs (NSAIDs), not all of which are Salicylates, although they all have similar effects and most have some mechanism of action which involves non-selective inhibition of the enzyme cyclooxygenase. Today, aspirin is one of the most widely used medications in the world, with an estimated 40,000 metric tons of it being consumed each year.

---



**Attachment No 86 Aspirin & Salicylic Acid Analyzed with HPLC 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](mailto:customers@mtc-usa.com)

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