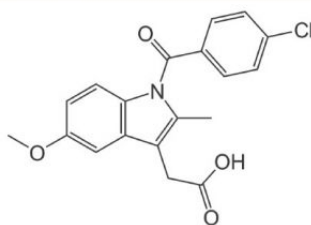
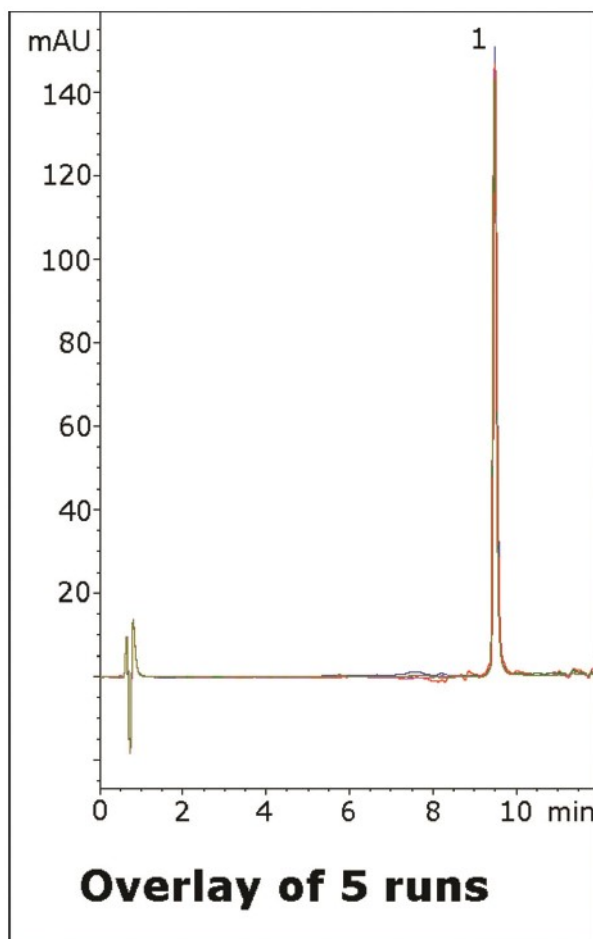


## Indomethacin Capsule Analyzed with HPLC – AppNote

### Simple Assay Method

This method for analysis of Indomethacin capsules is easy to perform and uses an LC-MS compatible Mobile Phase. The API peak that was obtained shows excellent efficiency and the data is very reproducible, as illustrated by the overlay of five runs shown in the figure.



Indomethacin

**Peak:**

### Method Conditions

**Column:** Cogent Bidentate C18 2.0, 2.2 $\mu$ m, 120Å

**Catalog No.:** 40218-05P-2

**Dimensions:** 2.1 x 50 mm

**Mobile Phase:**

A: DI Water / 0.1% Formic Acid (v/v)

B: Acetonitrile / 0.1% Formic Acid (v/v)

**Gradient:**

| Time (minutes) | %B |
|----------------|----|
| 0              | 10 |
| 1              | 10 |
| 9              | 70 |
| 10             | 70 |
| 11             | 10 |

**Post Time:** 5 minutes

**Injection vol.:** 1µL

**Flow rate:** 0.3mL / minute

**Detection:** UV @ 240nm

**Sample:** Indomethacin capsule contents were added to a 25mL volumetric flask. A portion of 50/50 Solvent A /Solvent B was added and it was sonicated for 10 minutes. It was then diluted to mark with the diluent and mixed. Then it was filtered with a 0.45µm Nylon Syringe Filter (MicroSolv Tech Corp.).

**t<sub>0</sub>:** 0.6 minutes

**Note:** Indomethacin is an NSAID used for its anti-inflammatory, analgesic, and antipyretic activity to treat a variety of conditions. It acts by inhibition of Prostaglandin synthesis. It is a prescription drug sold under many brand names.



**Attachment**

**No 288 Indomethacin Capsule pdf** 0.4 Mb [Download File](#)

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