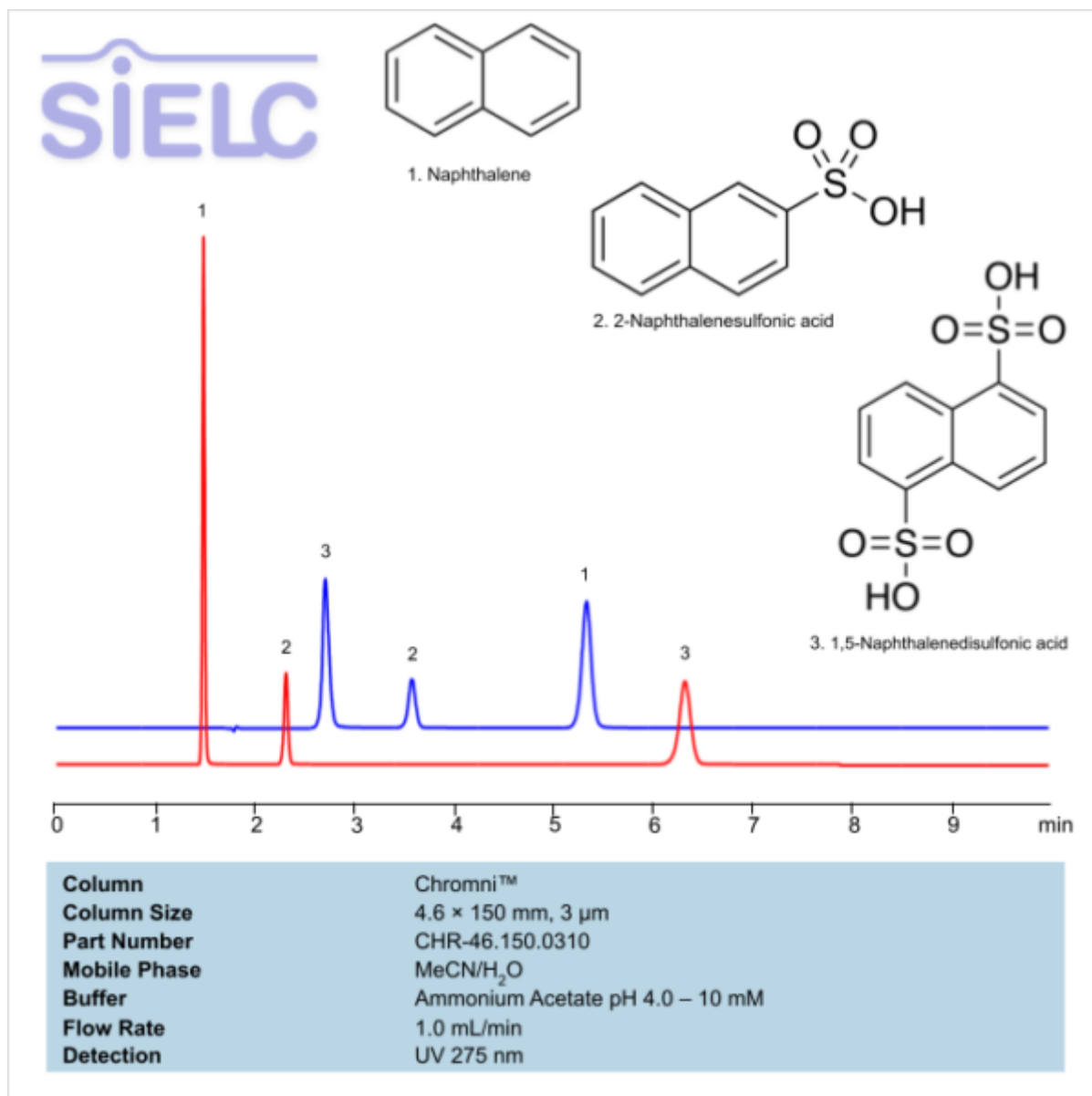


# HPLC Method for Separation of Naphthalene and Sulfonated Naphthalene Compounds on Chromni Column

<https://sielc.com/hplc-uv-of-naphthalene-sulfonated-naphthalene>

## Chromatogram



## Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of 1,5-Naphthalenedisulfonic Acid , 2-Naphthalenesulfonic Acid , Naphthalene .

Naphthalene is an aromatic hydrocarbon with the chemical formula C<sub>10</sub>H<sub>8</sub> . It is primarily used as a precursor to derivative chemicals. The largest use of it is in the industrial production of phthalic anhydride. You can find detailed UV spectra of 1,5-Naphthalenedisulfonic Acid , 2-Naphthalenesulfonic Acid , Naphthalene and information about its various lambda maxima by visiting the following link.

2-Naphthalenesulfonic Acid is an organic compound with the formula C<sub>10</sub>H<sub>7</sub>SO<sub>3</sub>H . It is used primarily in the production of dyes, but has also historically been industrially used for a it's various chemical reactions.

Armstrong's acid , also known as is naphthalene-1,5-disulfonic acid , is an acid with the chemical formula  $C_{10}H_6(SO_3H)_2$  . It is occasionally used as a divalent counterion for forming salts as an alternative to mesylate and tosylate salts. You can find detailed UV spectra of 1,5-Naphthalenedisulfonic Acid , 2-Naphthalenesulfonic Acid , Naphthalene and information about its various lambda maxima by visiting the following link.

1,5-Naphthalenedisulfonic Acid , 2-Naphthalenesulfonic Acid , Naphthalene can be retained and analyzed using the Chromni stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a [buffer] buffer. Detection is performed using UV.

#### Method Parameters

|                     |                                                                         |
|---------------------|-------------------------------------------------------------------------|
| Mobile Phase        | MeCN/H <sub>2</sub> O                                                   |
| Buffer              | Ammonium Acetate pH 4.0 – 10 mM                                         |
| Flow Rate           | 1.0 mL/min                                                              |
| Detection           | UV 275 nm                                                               |
| Class of Compounds  | Naphthalene                                                             |
| Analyzing Compounds | 1,5-Naphthalenedisulfonic Acid, 2-Naphthalenesulfonic Acid, Naphthalene |

#### HPLC Column Used

**Chromni, 4.6 x 150 mm, 3 µm, 100 Å, dual ended**

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)