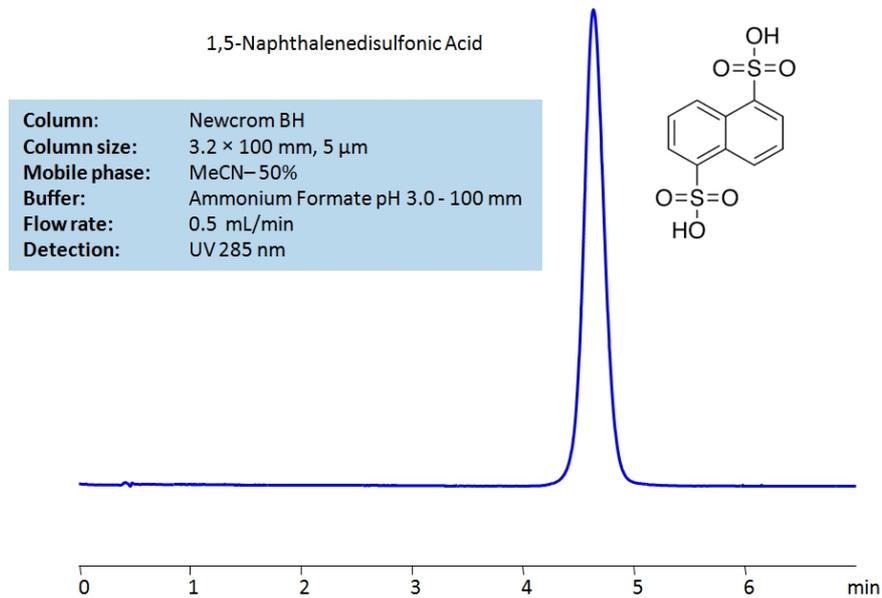


## HPLC Determination of 1,5-Naphthalenedisulfonic Acid on Newcrom BH Column



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

1,5-Naphthalenedisulfonic acid is a strong organic acid with a double charge. Multi-charged molecules generally have a tendency to exhibit poor peak shape in HPLC on reverse-phase columns showing significant tailing. The acid can be retained with great peak shape on a Newcrom BH mixed-mode column. The Newcrom line of columns was designed specifically for improved peak shape of multi-charged molecules. The method uses a mobile phase consisting of acetonitrile (ACN), water and ammonium formate buffer, making the method MS-compatible. UV detection at 260 nm can also be used.

### Method Parameters

<b>Column</b>	Newcrom BH, 3.2 x 100 mm, 5 μm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 50/50%
<b>Buffer</b>	Ammonium Formate – 100 mM, pH 3.0
<b>Flow Rate</b>	0.5 mL/min
<b>Detection</b>	UV 285 nm

Quelle: <https://sielc.com/hplc-determination-of-15-naphthalenedisulfonic-acid-on-newcrom-bh-column>