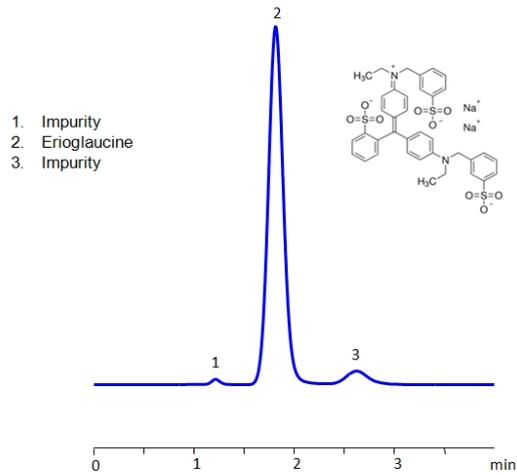


## HPLC Determination of Erioglaucine on Newcrom BH Column



<b>Column:</b>	Newcrom BH
<b>Column size:</b>	4.6 × 50 mm, 5 µm
<b>Mobile phase:</b>	MeOH/H <sub>2</sub> O – 50/50%
<b>Buffer:</b>	H <sub>2</sub> SO <sub>4</sub> – 1%
<b>Flow rate:</b>	1 ml/min
<b>Detection:</b>	Vis 625 nm

High Performance Liquid Chromatography (HPLC) Method for Analysis of Brilliant Blue FCF (Blue 1) .

Erioglaucine, more commonly known as Brilliant Blue FCF, is a synthetic coloring dye used in many industries as a colorant for foods, medications, cosmetics, etc. It is a multi-charged molecule and generally has poor peak shape on reverse-phase HPLC columns. By using a Newcrom BH mixed-mode column with both ion-exchange and hydrophobic properties, erioglaucine can be retained and exhibits great peak shape by using a mobile phase of methanol (MeOH) and water with sulfuric acid as buffer. UV detection at 625 nm.

You can find detailed UV spectra of Brilliant Blue and information about its various lambda maxima by visiting the following link.

### Method Parameters

<b>Column</b>	Newcrom BH, 4.6 x 50 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeOH/H <sub>2</sub> O – 50/50%
<b>Buffer</b>	H <sub>2</sub> SO <sub>4</sub> – 1%
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	Vis 625 nm

Quelle: <https://sielc.com/hplc-determination-of-erioglaucine>