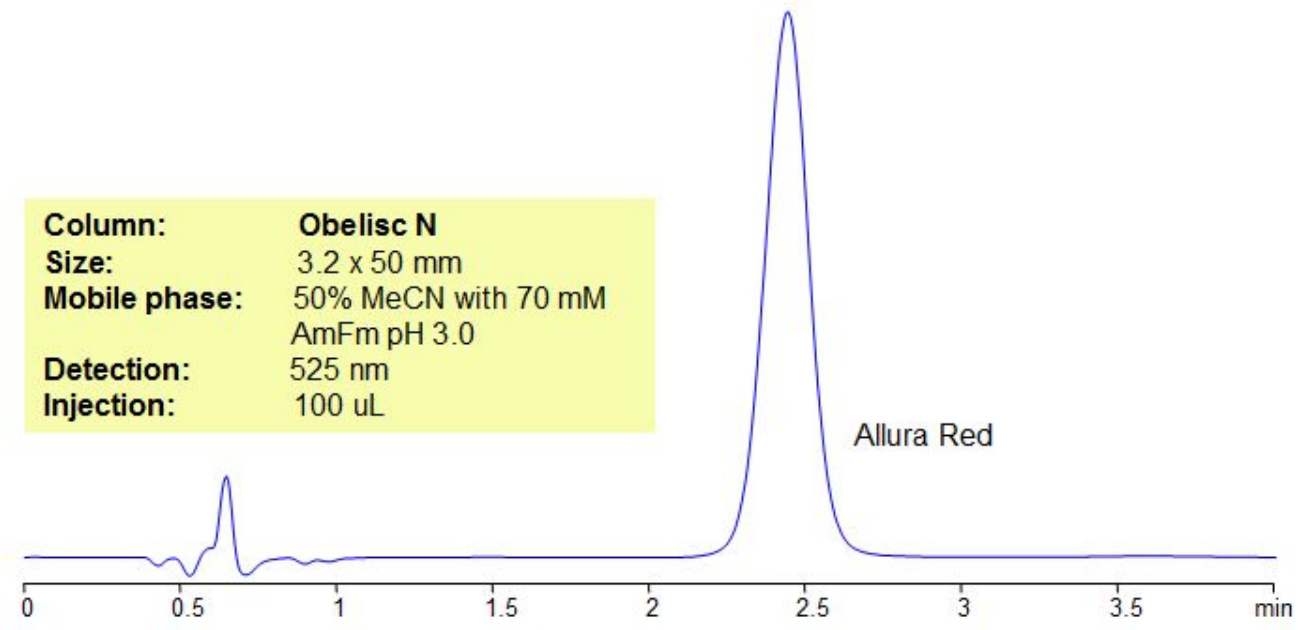
HPLC Method for Analysis of Allura Red in Robitussin Cough & Cold

https://sielc.com/hplc-method-of-analysis-of-robitussin-cough-cold

Chromatogram



Description

Sunset Yellow FCF, also known as Orange Yellow S, C.I. 15985, or Yellow 6, is a petroleum-derived orange azo dye. When in powder form, it is Reddish-orange, but when dissolved in water, the liquid becomes bright yellow.The dye is banned or restricted in Norway, Finland and Sweden. Obelisc N is a column with very polar characteristics. It contains embedded acidic and basic ionizable groups and can retain Sunset Yellow. The method is LC/MS and UV compatible and can be used as a general approach for analyzing similar compounds.

Method Parameters

Mobile Phase	MeCN/H2O – 50/50%
Buffer	AmFm pH 3.0 – 70 mM
Flow Rate	0.6 ml/min
Detection	UV, 525 nm
Class of Compounds	Dye, Acid, Hydrophilic, Ionizable, Zwitterionic
Analyzing Compounds	Allura Red

HPLC Column Used

Obelisc N, 3.2×50 mm, 5 µm, 100A

Order this column at hplc-shop.de →