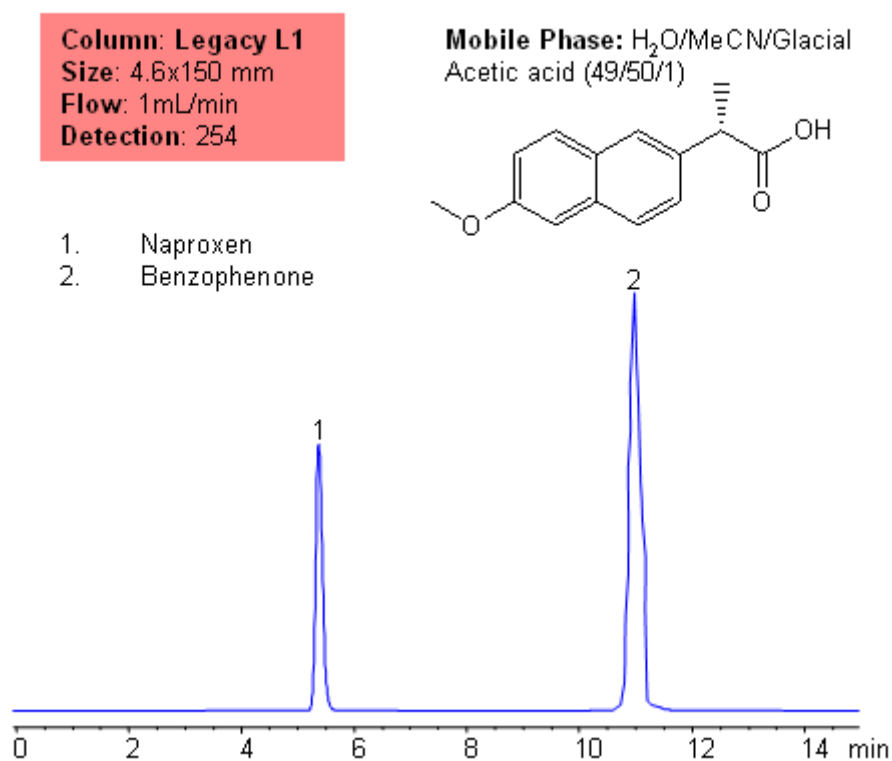


USP Methods for the Analysis of Naproxen Using Legacy L1 Column

<https://sielc.com/Application-USP-Methods-for-the-Analysis-of-Naproxen-Using-Legacy-L1-Column>

Chromatogram



Description

Application Notes: Naproxen is a common NSAID used for pain relief and fever reducer. According to the USP methods, naproxen contains no less than 98% and no more than 101.5 percent naproxen calculated on a dried basis. The USP HPLC method for the separation of naproxen was developed on Legacy L1 column according to the US Pharmacopeia methodology. L1 classification is assigned to reversed-phase HPLC column containing C18 ligand. Support for the material is spherical silica gel with particles size 3-10 μ m and pore size of 100-120Å. Resolution between critical pairs corresponds to rules and specifications of USP.

Application Columns: Legacy L1 C18 HPLC column · Application compounds: naproxen and benzophenone · Mobile phase: water/MeCN/Glacial Acetic acid (49/50/1) · Detection technique: UV · Reference: USP35: NF30

Method Parameters

Mobile Phase	H2O/MeCN/Glacial Acetic acid (49/50/1)
Buffer	Glacial Acetic acid
Flow Rate	1.0 ml/min
Detection	UV, 254 nm
Class of Compounds	Drug, Hydrophobic, Ionizable

HPLC Column Used

Legacy L1, 4.6x150 mm, 5 µm, 100A

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