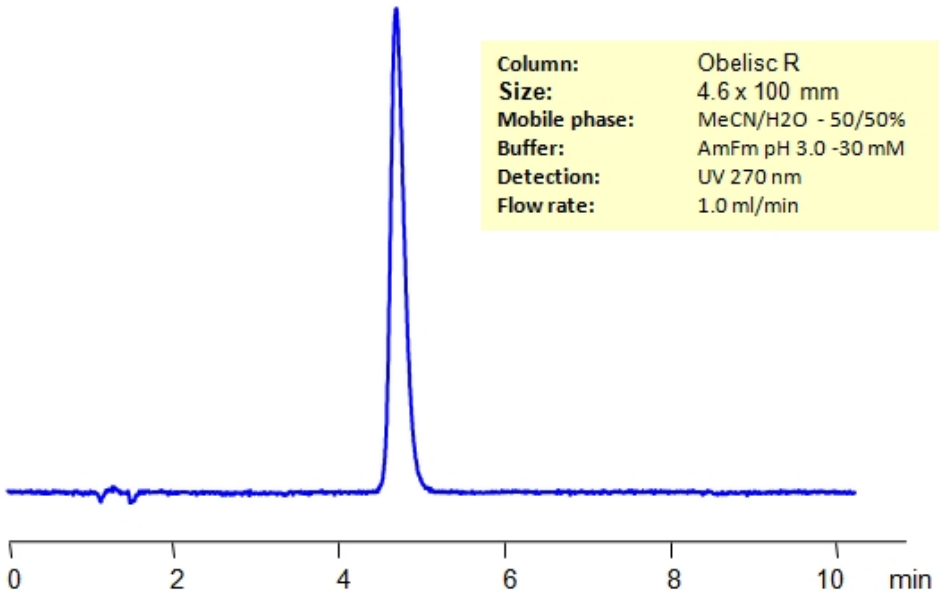
HPLC Determination of Hydroxychloroquine on Obelisc R Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of Hydroxychloroquine .

Hydroxychloroquine is a prescription medication with the chemical formula C18H26ClN3O . It is used to treat and prevent acute attacks of malaria in adults and children. It is not used in severe or complicated cases. Besides malaria, Hydroxychloroquine is also used to treat discoid lupus erythematosus (DLE), systemic lupus erythematosus (SLE), and chronic rheumatoid arthritis. It is considered unsafe to take this medication alongside other medications.

Hydroxychloroquine can be retained and analyzed using the Obelisc R stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with an ammonium formate buffer. Detection is performed using UV.

Method Parameters

Column	Obelisc R, 4.6 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 50/50%
Buffer	AmFm pH 3.0- 30 mM
Flow Rate	1.0 mL/min
Detection	UV 270 nm, MS- compatible mobile phase

Quelle: https://sielc.com/hplc-determination-of-hydroxychloroquine-on-obelisc-r-column