Sorafenib Loaded Nanoparticles by LC-MS/MS

ACE® Ultra-inert UHPLC & HPLC Columns

Application #AN4600

Conditions

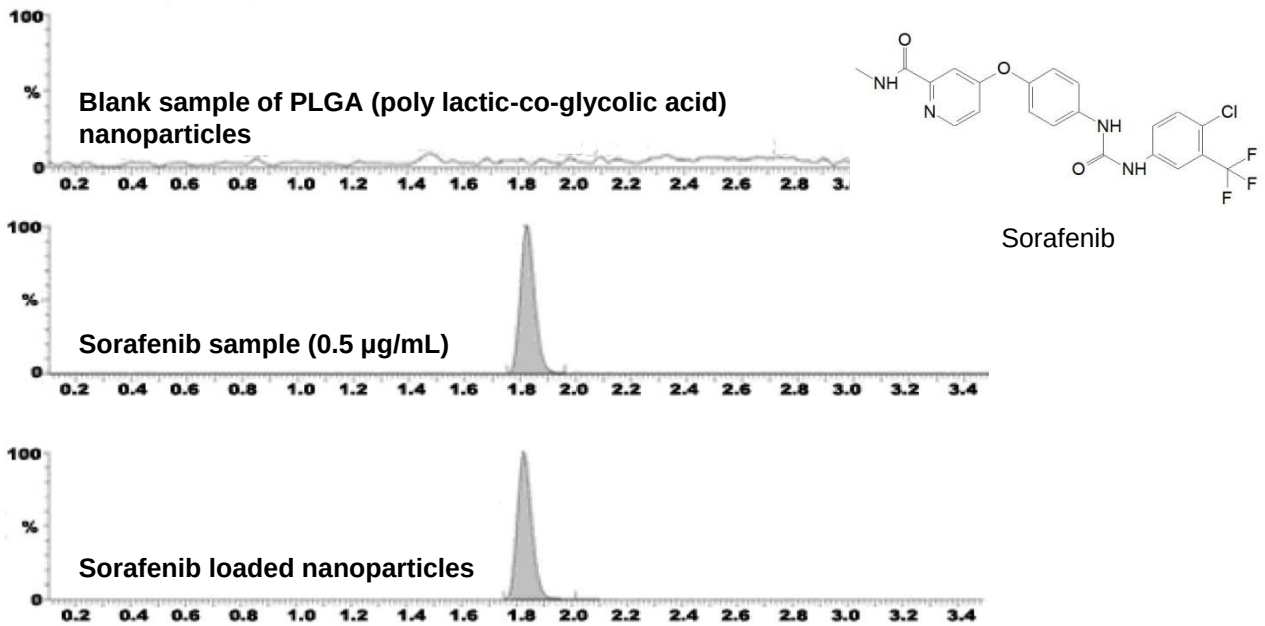
Column:	ACE 3 C18
Dimensions:	30 x 2.1 mm
Part Number:	ACE-111-0302
Mobile Phase:	A: 0.1% formic acid in H_2O B: MeCN

Time (mins)	%B
0.0	5
0.2	5
1.2	90
2.2	90

Flow Rate:	0.8 mL/min
Temperature:	30 °C
Detection:	Waters Quattro Premier MS ESI in positive ion mode MRM *m/z* 465.3 → 252.2 Capillary Voltage: 3.6 kV Cone Voltage: 45 V Source Temperature: 100 °C Desolvation Temperature: 400 °C Collision Energy: 30 eV

Sorafenib is a kinase inhibitor drug, used in the treatment of thyroid carcinoma.

Sorafenib loaded PLGA nanoparticles, modified with monoclonal antibody cetuximab, were developed for targeted delivery.



Sorafenib

Mato E, Puras G, Bell O, Agirre M, Hernandez RM et al (2015) Selective Antitumoral Effect of Sorafenib Loaded PLGA Nanoparticles Conjugated with Cetuximab on Undifferentiated/Anaplastic Thyroid Carcinoma Cells. J. Nanomed Nanotechnol 6: 281. doi:10.4172/2157-7439.1000281

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