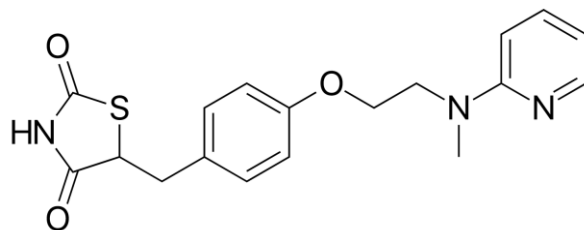
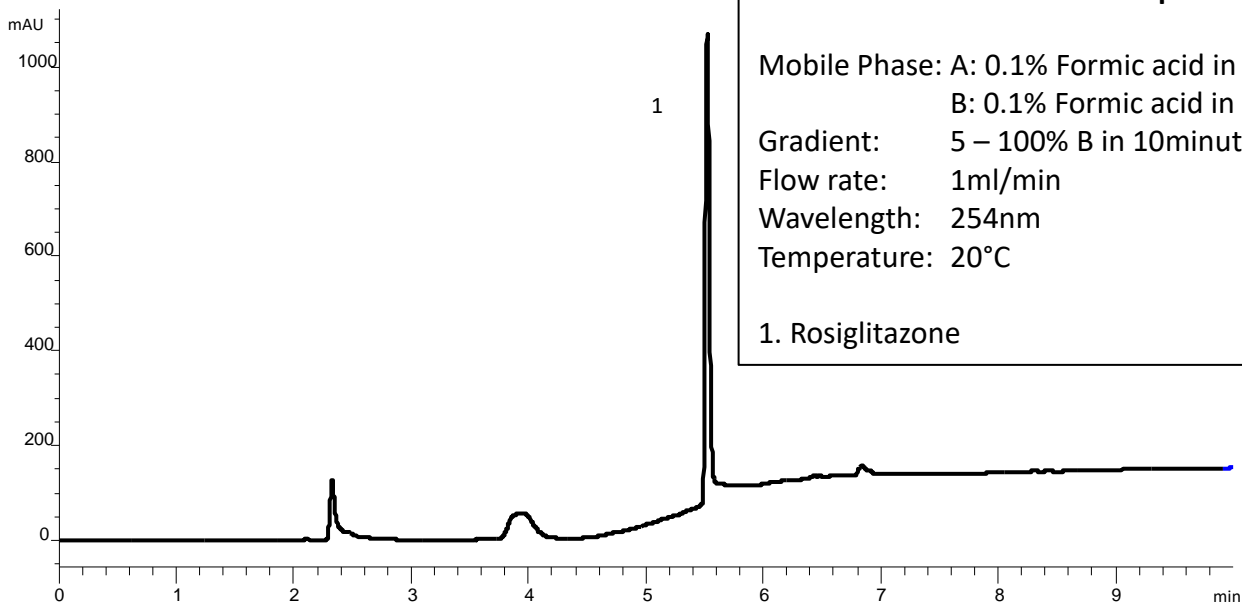


Application Note: Rosiglitazone

Rosiglitazone (trade name Avandia) is an antidiabetic drug in the thiazolidinedione class. It works as an insulin sensitizer, by binding to the PPAR in fat cells and making the cells more responsive to insulin. It is marketed by the pharmaceutical company GlaxoSmithKline (GSK) as a stand-alone drug or for use in combination with metformin or with glimepiride.



First released in 1999, annual sales peaked at approximately \$2.5-billion in 2006; however, analysis in 2007 linked the drug's use to an increased risk of heart attack. In Europe, the European Medicines Agency (EMA) recommended in September 2010 that the drug be suspended because the benefits no longer outweighed the risks.



Column: AuraShell C18 5 μ 150x4.6mm

Mobile Phase: A: 0.1% Formic acid in Water

B: 0.1% Formic acid in MeCN

Gradient: 5 – 100% B in 10minutes

Flow rate: 1ml/min

Wavelength: 254nm

Temperature: 20°C

1. Rosiglitazone