



# The Pharma QC column: OROSIL C18

Products and services to facilitate analytical methods development

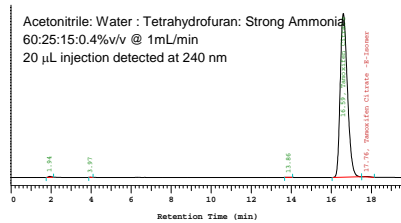
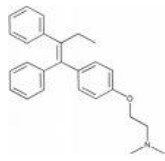
Orochem Technologies Inc.

The QC for the pharmaceutical industry is based on methods developed on a variety of columns. At Orochem, we have attempted to address method development utilizing unique chemistries such as the OROSIL C18 to analyze a wide range of acidic, basic, and neutral compounds. Data is presented on a few representative compounds and unique separation criteria with their associated chromatograms.

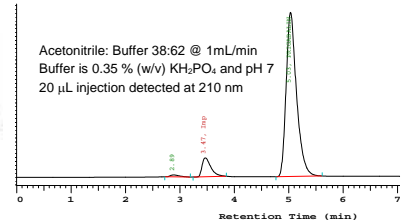
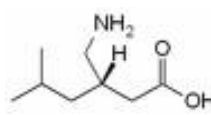
## Conclusion

We have successfully developed methods for more than 25 analytes with the Orosil C18 column. The OROSIL C18 chemistry provides a unique platform for the analytes currently targeted by the pharma industry towards major diseased states.

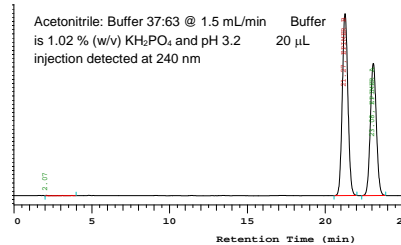
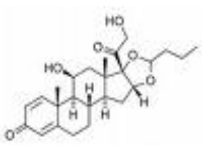
### Tamoxifen - an orally active selective estrogen receptor modulator



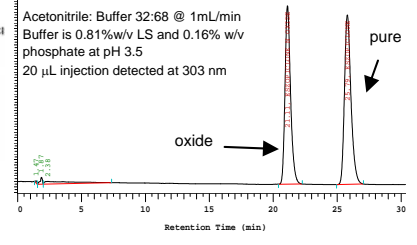
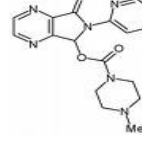
### Pregabalin (Lyrica) - an anticonvulsant



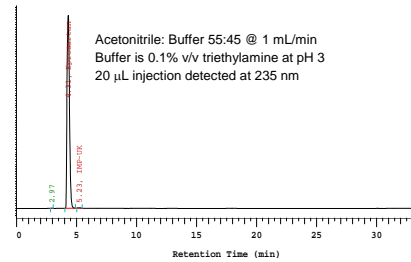
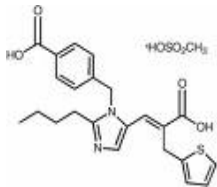
### Budesonide - a glucocorticoid steroid



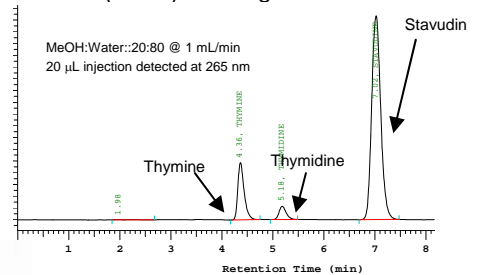
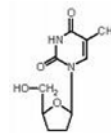
### Eszopiclone (Lunesta) - a nonbenzodiazepine sedative



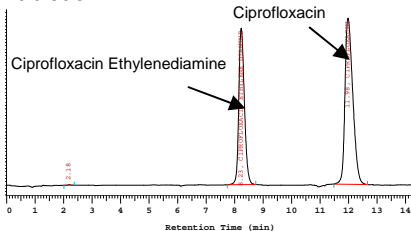
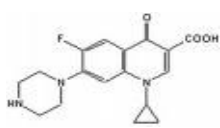
### Eprosartan (Teveten) - an angiotensin II receptor antagonist



### Stavudine (Zerit) - a nucleoside analog reverse transcriptase inhibitor (NARTI) active against HIV.



### Ciprofloxacin - a generic antibiotic



### Atracurium - a neuromuscular-blocking

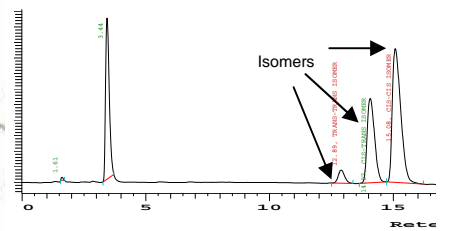
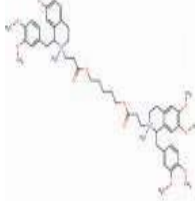


Figure 1: Separation methods developed on representative acidic, basic, and neutral molecules using the OROSIL C18 column.