



**OROCEM TECHNOLOGIES**

By Scientists, For Scientists!

## **OROSIL COLUMN**

**Orosil C18 250 x 4.6mm, 5 $\mu$ m, Part No. O5HI-903**

### **Exciting Offers**

**OROSIL-C18** columns are more polar among other C18 columns and have more separation power for polar compounds. Due to polar end capping treatment, Orosil C18 columns allows 100% aqueous mobile phase. Like Orosym columns, they are very friendly towards strongly basic analytes. Although its upper pH limit is not as high as Orosym, it is compatible to mobile phases up to pH9.

- ✓ Superior resolution
- ✓ Improved selectivity for polar & non polar components
- ✓ Wide range of pH stability (pH 1.5 to 9)
- ✓ Superior physical properties such as surface area and pore volume



### **Available in all sizes :**

**Particle Size : 3  $\mu$ m, 5  $\mu$ m and 10  $\mu$ m;**

**Length : 50mm, 75mm, 100mm, 125mm, 150mm and 250mm**

**I. D. : 2mm, 3mm, 3.5mm, 4mm, 4.6mm, 10mm, 20mm, 30mm, 50mm**

### **Also available Preparative Media :**

**Orochem can supply Orosil prep material for your own in-house needs**



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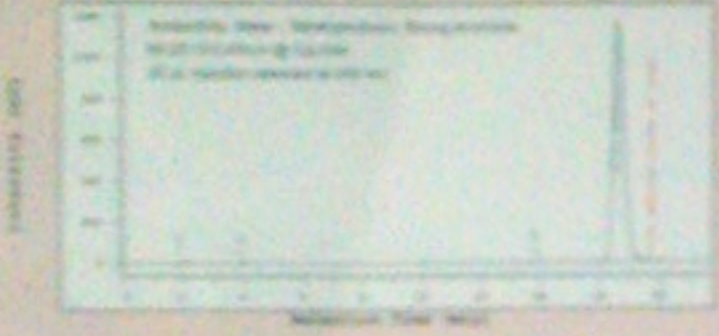
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# OROSIL C18 COLUMN

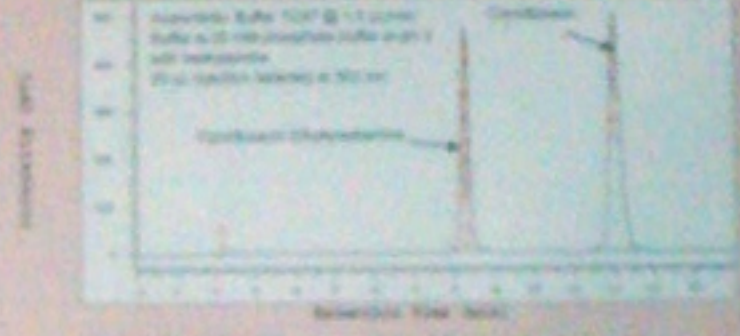
Analysis of Pharmaceutical Drugs & Formulations with Orosil HPLC Column

Orosil C18 column 5µm 250 x 4.6 mm

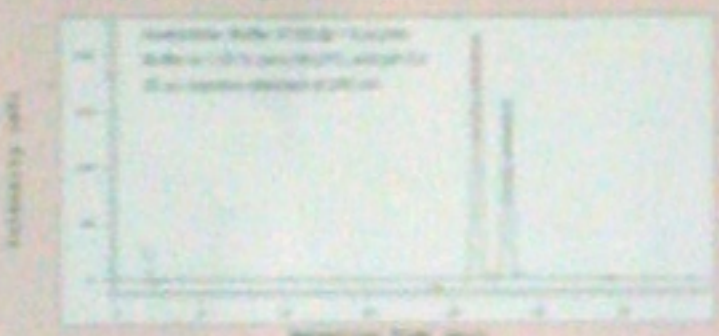
**Tamoxifen** - an orally active selective estrogen receptor modulator



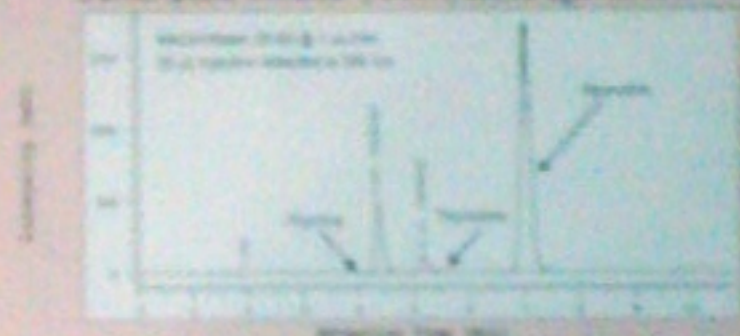
**Ciprofloxacin** - a generic antibiotic



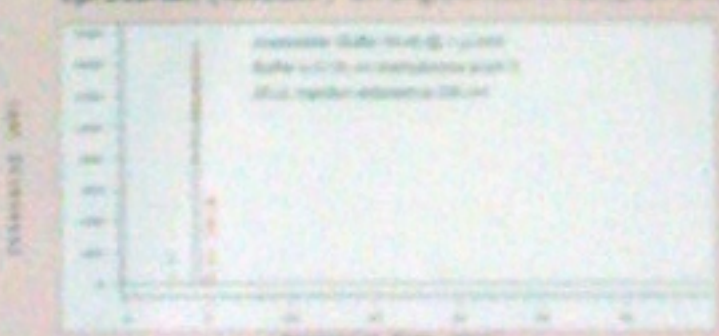
**Budesonide** - a glucocorticoid steroid



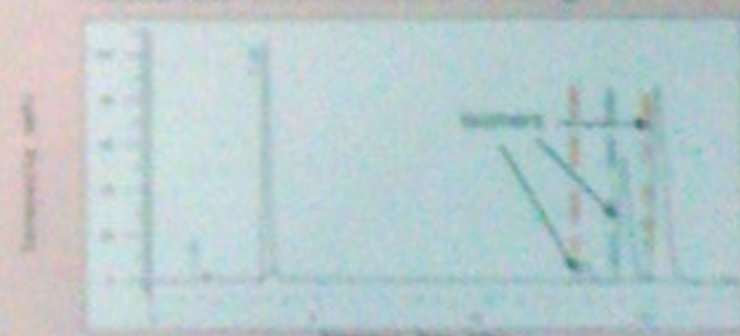
**Stavudine (Zerit)** - a nucleoside analog reverse transcriptase inhibitor (NRTI) active against HIV



**Eprosartan (Taveten)** - an angiotensin II receptor antagonist



**Atracurium** - a neuromuscular blocking



## Comparison of Orochem Series of C18 HPLC Column

	Orosym	Orosil C 18	Orostar
Surface Area(m <sup>2</sup> /g)	380	380	380
Carbon Loading %	22%	18%	11%
End-Cap	Double	Single	Polar
Polarity Increase	Increase	Increase	Increase
pH Stability	1.5 - 10.0	1.5 - 9.0	0.8 - 7.0
100% water compatible	No	Yes	Yes
Peak Shape of Bases	Excellent	Excellent	Excellent
Equivalent to	Sunfire, Luna, Water Symmetry, Zorbax Eclipse Plus C18	Inertsil ODS	Zorbax SB, C18,

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