



3050 Spruce Street  
Saint Louis, Missouri 63103 USA  
Telephone 800-325-5832 • (314) 771-5765  
Fax (314) 286-7128  
email: techserv@sigma.com  
sigma-aldrich.com

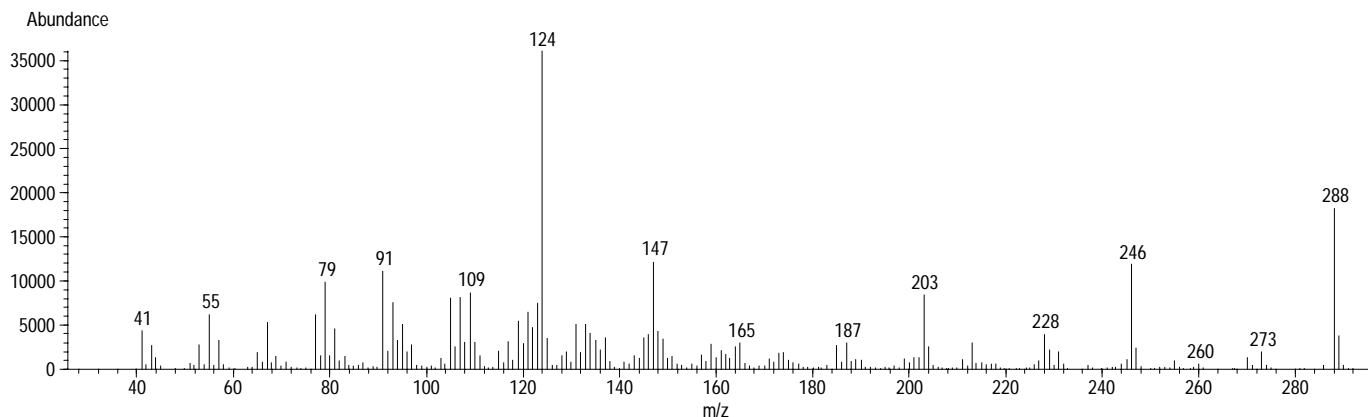
# Product Information

## TESTOSTERONE

Steroid Standard Solution

<b>Product Number</b>	T 5411	<b>Synonyms</b>	4-Androsten-17 $\beta$ -ol-3-one; 17 $\beta$ -Hydroxy-4-androsten-3-one; trans-Testosterone
<b>Lot Number</b>	60K88021	<b>Stability</b>	If stored at 2-8°C in an air tight container, protected from light, decomposition of the product is less than 1% in 12 months. After opening, concentration may change due to loss of solvent.
<b>CAS Number</b>	[58-22-0]		
<b>Concentration</b>	1.01 mg Testosterone/mL HPLC grade 1,2-dimethoxyethane (conc. verified by UV)		

**Molecular Formula** C<sub>19</sub>H<sub>28</sub>O<sub>2</sub>      **70 eV Electron Ionization Mass Spectrum**      **Expiration Date** May 2005



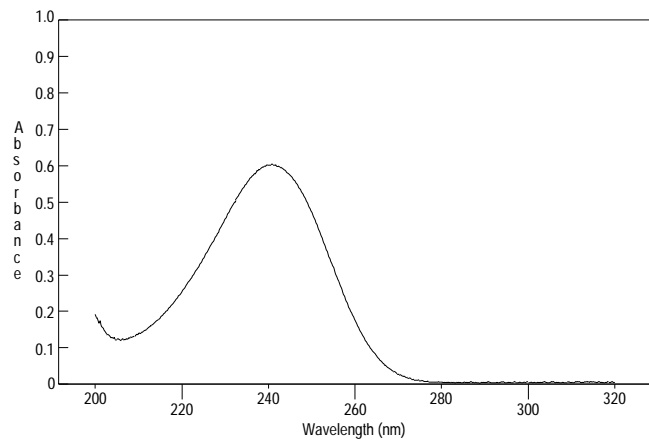
<b>Molecular Weight</b>	288.4	<b>Storage</b>	Hewlett-Packard 5890 Series II Gas Chromatograph Hewlett-Packard 5971 Mass Selective Detector Hewlett-Packard G1034C MS ChemStation (HP-DOS series) 2-8°C; Aft
<b>DEA Class</b>	Exempt preparation of Class III		

FT-IR



## Ultraviolet Spectrum

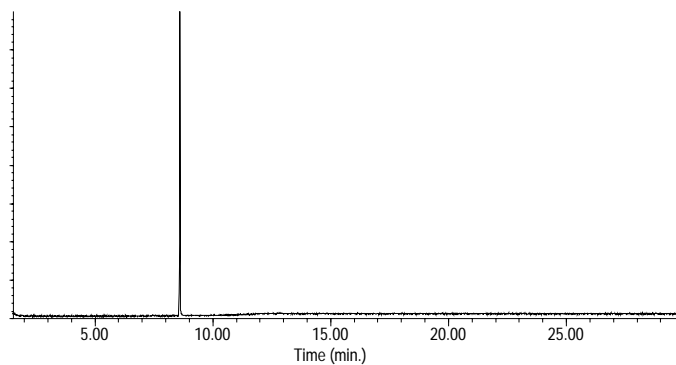
**Peak** 240.8 nm  
**Absorbance** 0.603  
**Solvent** Methanol  
**Dilution** 1 : 99 (v/v)



Kontron Uvikon 940

## Capillary Gas Chromatography

**Column** Supelco SPB-1 (Cat. No. 2-4162)  
**I.D.** 0.20 mm **Length** 15 m **Film Thickness** 0.20  $\mu\text{m}$   
**Oven Temperature** 150°C (2 min.), then 15°C/min. to 300°C, hold 18 min.  
**Injector Temperature** 250°C, Split  
**Detector** Hewlett-Packard 5971  
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 5890