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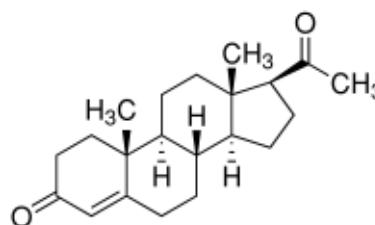
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## Product Specification

Product Name:  
Progesterone -  $\gamma$ -irradiated, BioXtra, suitable for cell culture

**Product Number:** P6149  
**CAS Number:** 57-83-0  
**MDL:** MFCD00003658  
**Formula:** C<sub>21</sub>H<sub>30</sub>O<sub>2</sub>  
**Formula Weight:** 314.46 g/mol



### TEST

### Specification

|                               |                           |
|-------------------------------|---------------------------|
| Appearance (Color)            | White to Off-White        |
| Appearance (Form)             | Powder                    |
| Solubility (Color)            | Colorless to Light Yellow |
| Solubility (Turbidity)        | Clear                     |
| 50 mg/mL, CHCl <sub>3</sub>   |                           |
| Specific Rotation             | 175 - 183 °               |
| c = 2, in dioxane at 25 deg C |                           |
| Purity (HPLC)                 | ≥ 99 %                    |
| Cell Culture Test             | Pass                      |
| Sterilized (Gamma Irradiated) | Pass                      |
| Dose 25.0 to 35.0 kGy         |                           |
| Recommended Retest Period     | -----                     |
| 2 years                       |                           |

Specification: PRD.0.ZQ5.10000011553

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.