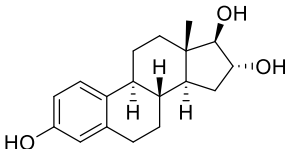




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
315241	Estriol	A22S11T30

Chemical name	
(8R,9S,13S,14S,16R,17R)-13-methyl-7,8,9,11,12,13,14,15,16,17-decahydro-6H-cyclopenta[a]phenanthrene-3,16,17-triol	
Synonyms	
oestriol	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 315241 Name: Estriol CAS#: 50-27-1 (free base) Lot#: A22S11T30 Chemical Formula: C ₁₈ H ₂₄ O ₃ Exact Mass: 288.17254 Molecular Weight: 288.38

Analysis item	Specifications / Results
Appearance	White to off yellow solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>97.0%
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 3 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE