Creative Enzymes®

Pregnenolone

Cat. No. PMSG-001

Lot. No. (See product label)

Introduction

Description	Pregnenolone is a C21 20-oxo steroid containing a 3β-hydroxy group and a Δ5 double bond.
Applications	Steroid biosynthesis studies
Synonyms	3β-Hydroxypregn-5-en-20-one 5-Pregnen-3β-ol-20-one

Product Information

Appearance	White to light yellow crystalline powder
CAS No.	145-13-1
Molecular Formula	$C_{21}H_{32}O_2$
Chemical Name	3β-Hydroxypregn-5-en-20-one
Molecular Weight	316.5 g/mol
Purity	Content: ≥99.0%
Melting Point	Specification: ≥180°C COA result: 180.0-182.8°C
Quality	Odor: Characteristic; conforms Taste: Characteristic; conforms Identification: Infrared absorption spectrum consistent with the control sample; conforms Specific rotation $[\alpha]D^{25}$: +27.5° to +31.5°; COA result +27.8° Loss on drying: ≤0.5%; COA result 0.12% Single impurity: ≤0.5%; COA result 0.26% Total impurities: ≤1.5%; COA result 1.13%
Notes	COA content result: 99.62%.

Storage and Shipping Information

Storage	Store sealed, protected from light, dry, and in a cool place.