

Pregnenolone

Cat. No. PMSG-001

Lot. No. (See product label)

Introduction

Description Pregnenolone is a C21 20-oxo steroid containing a 3 β -hydroxy group and a Δ 5 double bond.

Applications Steroid biosynthesis studies

Synonyms 3 β -Hydroxypregn-5-en-20-one 5-Pregnen-3 β -ol-20-one

Product Information

Appearance White to light yellow crystalline powder

CAS No. 145-13-1

Molecular Formula C₂₁H₃₂O₂

Chemical Name 3 β -Hydroxypregn-5-en-20-one

Molecular Weight 316.5 g/mol

Purity Content: $\geq$ 99.0%

Melting Point Specification: $\geq$ 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 [α]_{D²⁵}: +27.5° to +31.5°; COA result +27.8° Loss on drying: $\leq$ 0.5%; COA result 0.12% Single impurity: $\leq$ 0.5%; COA result 0.26% Total impurities: $\leq$ 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.