[ **Product Information** ]

**Name:** Pregnenolone

**Catalog No.:** CFN99497

**Cas No.:** 145-13-1

**Purity:** > 98%

**M.F:** C21H32O2

**M.W:** 316.5

**Physical Description:** Cryst.

**Synonyms:** 3-beta-Hydroxy-5-pregnen-20-one; 5-Pregnen-3beta-ol-20-one; 3-Hydroxypregn-5-en-20-one; (3beta,8xi,9xi,14xi)-3-hydroxypregn-5-en-20-one; (3beta,9xi,14xi)-3-hydroxypregn-5-en-20-one.

[ **Intended Use** ]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[ **Source** ]

The roots of *Dictamus dasycarpus*. 
[**Biological Activity or Inhibitors**]

Pregnenolone, a common precursor of many steroids, is present in the blood of normal adult men at concentrations of 1-3 nM, it can stimulate LNCaP prostate cancer cell growth via the mutated androgen receptor.[1]

Pregnenolone has memory-enhancing effects.[2]

Pregnenolone and dehydroepiandrosterone as precursors of native 7-hydroxylated metabolites which increase the immune response in mice. [3]

Pregnenolone is a novel therapeutic candidate in schizophrenia.[4]

[**Solvent**]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[**HPLC Method**][5]

Mobile phase: Methanol -H2O,gradient elution ;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 254 nm.

[**Storage**]

2-8℃, Protected from air and light, refrigerate or freeze.

[**References**]

[ Contact ]

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