Product Name: Pregnanolone
CAS Number: 128-20-1
IUPAC Name: \((3\alpha,5\beta)-3\text{-Hydroxy-pregnan-20-one}\)

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \(\text{C}_{21}\text{H}_{34}\text{O}_{2}\)
Batch Molecular Weight: 318.49
Physical Appearance: White solid
Solubility: DMSO to 100 mM
ethanol to 100 mM
Storage: Store at RT

2. ANALYTICAL DATA

\(^1\text{H NMR:}\) Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>79.19</td>
<td>10.76</td>
<td></td>
</tr>
<tr>
<td>Found</td>
<td>78.93</td>
<td>10.77</td>
<td></td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Pregnanolone
Catalog No.: 3652    Batch No.: 8
CAS Number: 128-20-1
IUPAC Name: (3α,5β)-3-Hydroxy-pregnan-20-one

Description:
GABA_4 receptor positive allosteric modulator. Neuroactive steroid.

Physical and Chemical Properties:
Batch Molecular Formula: C_{21}H_{34}O_{2}
Batch Molecular Weight: 318.49
Physical Appearance: White solid

Storage: Store at RT

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 100 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).
Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: