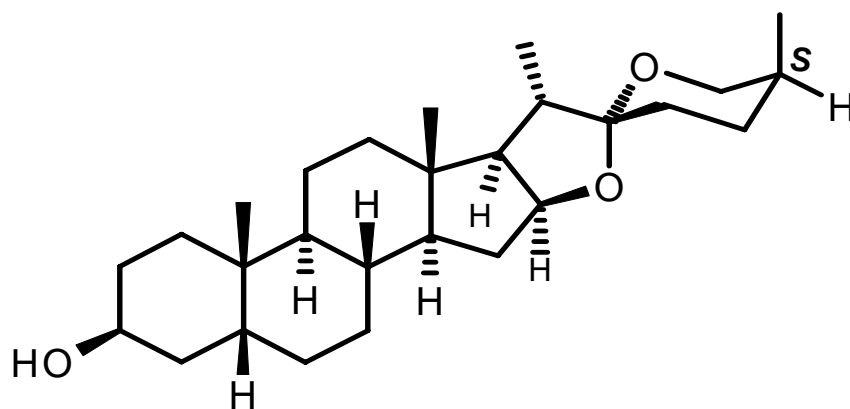


# Sarsasapogenin

**Sarsasapogenin.** One of the earliest sapogenins to be reported,<sup>3,4</sup> the unique stereochemistry of **Sarsasapogenin**<sup>5,6</sup> provides entry to a steroidal skeleton in which the stereochemistry A-B ring junction is *cis*. This fact has led to its use as a precursor to various steroids. Also novel is the absolute stereochemistry

of the C-25 carbon which is **S**, in contrast to the stereochemistry in other common sapogenins.

More recently, **Sarsasapogenin** has been found to be effective in the treatment of both obesity and diabetes (cf. Ref. 8). Other applications include its use in various cosmetic formulations (cf. Ref. 7).



**Sarsasapogenin**

(3 $\beta$ ,5 $\beta$ ,25 $S$ )-Spirostan-3-ol

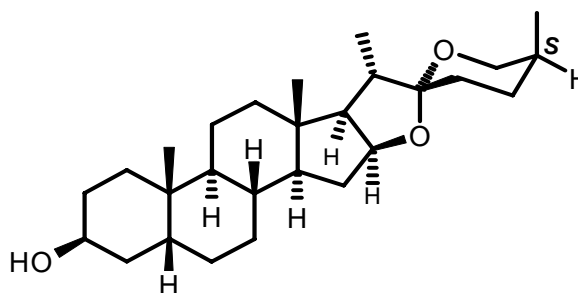
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US 2004005370; US 2004028757; US 2004219123; US 2005013833; US 2005058611; US 2005238613  
US 2006062863
8. EP 204661; WO 2006048665;

## Product Specifications

<b>Product Name</b>	<b>Sarsasapogenin</b>
<i>Syn:</i>	(3 $\beta$ ,5 $\beta$ ,25 $S$ )-Spirostan-3-ol
<b>CAS No.</b>	126-19-2
<b>Mol. Formula</b>	C <sub>27</sub> H <sub>44</sub> O <sub>3</sub>
<b>Mol. Wt.</b>	416.6

**Structure**



**Source:** *Anemarrhena asphodeloides* Bge. (rhizome)

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<i>Test</i>	<i>Specification</i>
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<b>Appearance</b>	White powder
<b>Identity</b>	IR; TLC (Chinese material <i>medica</i> )
<b>Mp</b>	200 $\pm$ 2°C
<b>Assay</b> (hplc; RID)	$\geq$ 95%
<b>Loss on drying</b>	< 1%
<b>Heavy Metals</b> (As, Pb)	< 10 ppm
<b>Sulphated Ash</b>	< 0.2 %
<b>Solubility</b>	Soluble in EtOH

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