



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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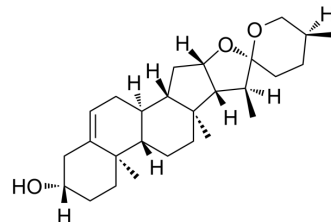
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## Yamogenin

<b>Cat. No.:</b>	HY-N2078		
<b>CAS No.:</b>	512-06-1		
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>42</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	414.62		
<b>Target:</b>	LXR		
<b>Pathway:</b>	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	Ethanol : 1 mg/mL (2.41 mM; Need ultrasonic and warming)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	2.4118 mL	12.0592 mL	24.1185 mL
		5 mM	---	---	---
10 mM		---	---	---	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% EtOH &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 1 mg/mL (2.41 mM); Clear solution</li> <li>Add each solvent one by one: 10% EtOH &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 1 mg/mL (2.41 mM); Clear solution</li> <li>Add each solvent one by one: 10% EtOH &gt;&gt; 90% corn oil Solubility: ≥ 1 mg/mL (2.41 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Yamogenin (Neodiosgenin) is a diastereomer of diosgenin. Yamogenin (Neodiosgenin) antagonizes the activation of the liver X receptor (LXR) in luciferase ligand assay. Yamogenin (Neodiosgenin) inhibits triacylglyceride (TG) accumulation through the suppression of gene expression of fatty acid synthesis in HepG2 hepatocytes <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC50: TG accumulation; liver X receptor (LXR) <sup>[1]</sup>

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## REFERENCES

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[1]. Moriwaki S, et al. Yamogenin in fenugreek inhibits lipid accumulation through the suppression of gene expression in fatty acid synthesis in hepatocytes. *Biosci Biotechnol Biochem*. 2014;78(7):1231-6.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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