



# 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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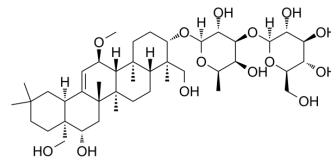
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## Saikosaponin B3

<b>Cat. No.:</b>	HY-N4219		
<b>CAS No.:</b>	58316-42-0		
<b>Molecular Formula:</b>	C <sub>43</sub> H <sub>72</sub> O <sub>14</sub>		
<b>Molecular Weight:</b>	813.02		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (123.00 mM; Need ultrasonic)  
 H<sub>2</sub>O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.2300 mL	6.1499 mL	12.2998 mL
	5 mM	0.2460 mL	1.2300 mL	2.4600 mL
	10 mM	0.1230 mL	0.6150 mL	1.2300 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
 Solubility: ≥ 2.5 mg/mL (3.07 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.5 mg/mL (3.07 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.5 mg/mL (3.07 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Saikosaponin B3 is a saikosaponin isolated from the roots of *Bupleurum falcatum* L., with analgesic effect. Saikosaponin B3 inhibits ACTH-induced lipolysis in the fat cells<sup>[1][2][3]</sup>.

### REFERENCES

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- [1]. Jang MJ, et al. Saikosaponin D isolated from *Bupleurum falcatum* inhibits selectin-mediated cell adhesion. *Molecules*. 2014 Dec 4;19(12):20340-9.
- [2]. Kita T, et al. Analgesic and other pharmacologic actions of saiko-saponin in repeated cold stressed (SART stressed) animals. *J Pharmacobiodyn*. 1980 Jun;3(6):269-80.
- [3]. Kimura Y, et al. Effects of saikosaponins on the metabolic actions of adrenaline, ACTH and insulin on the fat cells. *Chem Pharm Bull (Tokyo)*. 1980 Jun;28(6):1788-94.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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