



# 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

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## Concanavalin A

Cat. No.:	HY-P2149
CAS No.:	11028-71-0
Target:	Antibiotic; Apoptosis
Pathway:	Anti-infection; Apoptosis
Storage:	Sealed storage, away from moisture
	Powder    -80°C    2 years
	-20°C    1 year

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

## Concanavalin A

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 50 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

Description	Concanavalin A is a Ca <sup>2+</sup> /Mn <sup>2+</sup> -dependent and mannose/glucose-binding plant lectin that can be found in jack bean. Concanavalin A can induce programmed cell death. Concanavalin A can be used to induce acute hepatic injury <sup>[1][3]</sup> .
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In Vivo	Concanavalin A (20 mg/kg; i.v.) induces autoimmune hepatitis in mice <sup>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
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Animal Model:	6-8 weeks, 20 g Male Balb/c mice <sup>[3]</sup>
Dosage:	20 mg/kg
Administration:	I.v.
Result:	Increased the ALT and AST levels after 8 hours.

### CUSTOMER VALIDATION

- J Control Release. 2022 Mar 5;S0168-3659(22)00116-X.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

[1]. Zhou Y, et al. The Protective Effect of Resveratrol on Concanavalin-A-Induced Acute Hepatic Injury in Mice. Gastroenterol Res Pract. 2015;2015:506390.

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[2]. Li W, et, al. Concanavalin A: a potential anti-neoplastic agent targeting apoptosis, autophagy and anti-angiogenesis for cancer therapeutics. Biochem Biophys Res Commun. 2011 Oct 22;414(2):282-6.

[3]. Cantelli A, et, al. Concanavalin A-Rose Bengal bioconjugate for targeted Gram-negative antimicrobial photodynamic therapy. J Photochem Photobiol B. 2020 Mar 13;206:111852.

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

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