



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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

Concanavalin A

SOLVENT & SOLUBILITY

| | |
|----------|---|
| In Vitro | H ₂ O : 8.33 mg/mL (Need ultrasonic) |
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BIOLOGICAL ACTIVITY

| | |
|-------------|---|
| Description | Concanavalin A is a Ca ²⁺ /Mn ²⁺ -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 ^{[1][3]} . |
|-------------|---|

| | |
|---------|--|
| In Vivo | Concanavalin A (20 mg/kg; i.v.) induces autoimmune hepatitis in mice ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |
|---------|--|

| | |
|-----------------|---|
| Animal Model: | 6-8 weeks, 20 g Male Balb/c mice ^[3] |
| 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

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.

[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.

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

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